Full wwPDB EM Validation Report ⓘ

Mar 7, 2026 – 12:38 AM UTC

PDB ID	:	2W4T / pdb_00002w4t
EMDB ID	:	EMD-1561
Title	:	ISOMETRICALLY CONTRACTING INSECT ASYNCHRONOUS FLIGHT MUSCLE
Authors	:	Wu, S.; Liu, J.; Reedy, M.C.; Tregear, R.T.; Winkler, H.; Franzini-Armstrong, C.; Sasaki, H.; Lucaveche, C.; Goldman, Y.E.; Reedy, M.K.; Taylor, K.A.
Deposited on	:	2008-12-02
Resolution	:	35.00 Å(reported)

This is a Full wwPDB EM Validation Report for a publicly released PDB entry.

We welcome your comments at *validation@mail.wwpdb.org*
A user guide is available at
https://www.wwpdb.org/validation/2017/EMValidationReportHelp
with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at
http://www.wwpdb.org/validation/2017/FAQs#types.

The following versions of software and data (see references ⓘ) were used in the production of this report:

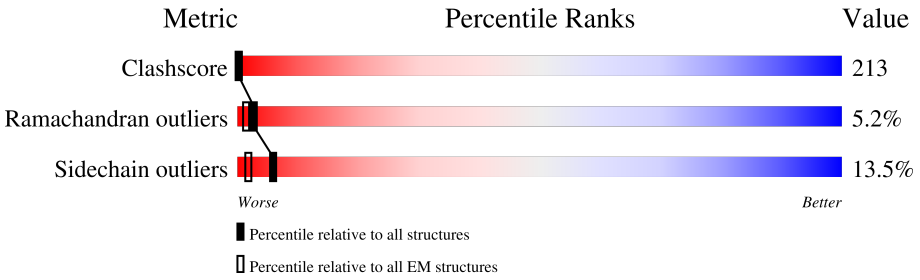
EMDB validation analysis	:	0.0.1.dev132
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
EM percentile statistics	:	NOT EXECUTED
MapQ	:	FAILED
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.49

1 Overall quality at a glance (i)

The following experimental techniques were used to determine the structure:
ELECTRON MICROSCOPY

The reported resolution of this entry is 35.00 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	EM structures (#Entries)
Clashscore	229148	23984
Ramachandran outliers	224038	23583
Sidechain outliers	223484	23102

The table below summarises the geometric issues observed across the polymeric chains and their fit to the map. The red, orange, yellow and green segments of the bar indicate the fraction of residues that contain outliers for >=3, 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions <=5%

Mol	Chain	Length	Quality of chain
1	1-C	831	12% 58% 21% • 7%
1	10-C	831	12% 58% 20% • 7%
1	11-C	831	13% 57% 20% • 7%
1	12-C	831	12% 58% 20% • 7%
1	13-C	831	12% 58% 20% • 7%
1	14-C	831	12% 57% 21% • 7%
1	15-C	831	12% 58% 20% • 7%
1	16-C	831	12% 58% 20% • 7%
1	17-C	831	12% 58% 20% • 7%

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Mol	Chain	Length	Quality of chain
1	18-C	831	12% 57% 21% • 7%
1	19-C	831	12% 57% 21% • 7%
1	2-C	831	12% 58% 20% • 7%
1	20-C	831	12% 58% 21% • 7%
1	21-C	831	12% 57% 21% • 7%
1	22-C	831	12% 58% 20% • 7%
1	23-C	831	12% 58% 20% • 7%
1	24-C	831	12% 58% 20% • 7%
1	25-C	831	12% 58% 21% • 7%
1	26-C	831	12% 58% 20% • 7%
1	27-C	831	12% 58% 20% • 7%
1	28-C	831	12% 58% 21% • 7%
1	29-C	831	12% 58% 21% • 7%
1	3-C	831	12% 58% 20% • 7%
1	30-C	831	12% 58% 20% • 7%
1	31-C	831	11% 58% 20% • 7%
1	32-C	831	12% 58% 20% • 7%
1	33-C	831	12% 58% 20% • 7%
1	34-C	831	12% 58% 20% • 7%
1	35-C	831	12% 58% 21% • 7%
1	36-C	831	12% 58% 20% • 7%
1	37-C	831	12% 58% 20% • 7%
1	38-C	831	12% 58% 20% • 7%
1	39-C	831	12% 59% 20% • 7%
1	4-C	831	12% 58% 20% • 7%

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Mol	Chain	Length	Quality of chain
1	40-C	831	12% 58% 20% • 7%
1	41-C	831	12% 58% 20% • 7%
1	42-C	831	12% 58% 20% • 7%
1	43-C	831	11% 58% 21% • 7%
1	5-C	831	13% 57% 20% • 7%
1	6-C	831	12% 58% 20% • 7%
1	7-C	831	11% 58% 21% • 7%
1	8-C	831	12% 57% 21% • 7%
1	9-C	831	12% 58% 20% • 7%
2	1-Y	136	13% 66% 18% •
2	10-Y	136	12% 66% 20% •
2	11-Y	136	12% 65% 19% •
2	12-Y	136	12% 66% 19% •
2	13-Y	136	12% 66% 18% •
2	14-Y	136	12% 65% 20% •
2	15-Y	136	12% 66% 19% •
2	16-Y	136	12% 67% 19% •
2	17-Y	136	13% 65% 19% •
2	18-Y	136	13% 65% 19% •
2	19-Y	136	12% 67% 18% •
2	2-Y	136	12% 67% 18% •
2	20-Y	136	11% 68% 19% •
2	21-Y	136	13% 66% 18% •
2	22-Y	136	11% 68% 19% •
2	23-Y	136	13% 65% 19% •

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Mol	Chain	Length	Quality of chain
2	24-Y	136	12% 66% 19%
2	25-Y	136	12% 67% 18%
2	26-Y	136	13% 65% 18%
2	27-Y	136	12% 67% 19%
2	28-Y	136	12% 66% 18%
2	29-Y	136	12% 67% 18%
2	3-Y	136	11% 68% 18%
2	30-Y	136	11% 68% 18%
2	31-Y	136	11% 68% 18%
2	32-Y	136	12% 66% 19%
2	33-Y	136	12% 66% 18%
2	34-Y	136	11% 68% 18%
2	35-Y	136	12% 67% 18%
2	36-Y	136	12% 68% 18%
2	37-Y	136	11% 68% 19%
2	38-Y	136	12% 67% 18%
2	39-Y	136	13% 65% 18%
2	4-Y	136	13% 66% 18%
2	40-Y	136	13% 65% 20%
2	41-Y	136	13% 66% 18%
2	42-Y	136	11% 68% 19%
2	43-Y	136	13% 65% 18%
2	5-Y	136	13% 65% 19%
2	6-Y	136	13% 66% 18%
2	7-Y	136	11% 68% 18%

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Mol	Chain	Length	Quality of chain
2	8-Y	136	12% 68% 18%
2	9-Y	136	13% 65% 19%
3	1-Z	151	17% 63% 19%
3	10-Z	151	17% 63% 19%
3	11-Z	151	17% 62% 19%
3	12-Z	151	16% 64% 19%
3	13-Z	151	17% 63% 19%
3	14-Z	151	16% 64% 19%
3	15-Z	151	17% 63% 19%
3	16-Z	151	17% 63% 19%
3	17-Z	151	16% 64% 19%
3	18-Z	151	16% 63% 19%
3	19-Z	151	17% 62% 19%
3	2-Z	151	16% 64% 19%
3	20-Z	151	17% 63% 19%
3	21-Z	151	17% 62% 19%
3	22-Z	151	15% 64% 19%
3	23-Z	151	17% 62% 19%
3	24-Z	151	15% 64% 19%
3	25-Z	151	17% 62% 19%
3	26-Z	151	17% 62% 19%
3	27-Z	151	17% 63% 19%
3	28-Z	151	17% 62% 19%
3	29-Z	151	15% 64% 19%
3	3-Z	151	17% 62% 19%

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Mol	Chain	Length	Quality of chain
3	30-Z	151	16% 64% 19%
3	31-Z	151	17% 62% 19%
3	32-Z	151	17% 63% 19%
3	33-Z	151	17% 63% 19%
3	34-Z	151	17% 63% 19%
3	35-Z	151	17% 63% 19%
3	36-Z	151	18% 62% 19%
3	37-Z	151	17% 63% 19%
3	38-Z	151	17% 62% 19%
3	39-Z	151	17% 63% 19%
3	4-Z	151	16% 63% 19%
3	40-Z	151	19% 61% 19%
3	41-Z	151	17% 63% 19%
3	42-Z	151	15% 64% 19%
3	43-Z	151	16% 64% 19%
3	5-Z	151	17% 62% 19%
3	6-Z	151	17% 63% 19%
3	7-Z	151	15% 65% 19%
3	8-Z	151	17% 63% 19%
3	9-Z	151	16% 64% 19%

2 Entry composition (i)

There are 3 unique types of molecules in this entry. The entry contains 365543 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called MYOSIN HEAVY CHAIN, STRIATED MUSCLE.

Mol	Chain	Residues	Atoms					AltConf	Trace
1	1-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	2-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	3-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	4-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	5-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	6-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	7-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	8-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	9-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	10-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	11-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	12-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	13-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	14-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	15-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	16-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	17-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	18-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	19-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	20-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	21-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	22-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	23-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	24-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	25-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	26-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	27-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	28-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	29-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	30-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	31-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	32-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	33-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	34-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	35-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	36-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	37-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	38-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		

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Mol	Chain	Residues	Atoms					AltConf	Trace
1	39-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	40-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	41-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	42-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		
1	43-C	772	Total	C	N	O	S	0	0
			6215	3957	1067	1155	36		

- Molecule 2 is a protein called MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE.

Mol	Chain	Residues	Atoms					AltConf	Trace
2	1-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	2-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	3-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	4-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	5-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	6-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	7-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	8-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	9-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	10-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	11-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	12-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	13-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	14-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	15-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	16-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	17-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	18-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	19-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	20-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	21-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	22-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	23-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	24-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	25-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	26-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	27-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	28-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	29-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	30-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	31-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	32-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	33-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	34-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	35-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		

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Mol	Chain	Residues	Atoms					AltConf	Trace
2	36-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	37-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	38-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	39-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	40-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	41-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	42-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		
2	43-Y	136	Total	C	N	O	S	0	0
			1088	687	173	219	9		

- Molecule 3 is a protein called MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE.

Mol	Chain	Residues	Atoms					AltConf	Trace
3	1-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	2-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	3-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	4-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	5-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	6-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	7-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	8-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	9-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	10-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	11-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		

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Mol	Chain	Residues	Atoms					AltConf	Trace
3	12-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	13-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	14-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	15-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	16-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	17-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	18-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	19-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	20-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	21-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	22-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	23-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	24-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	25-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	26-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	27-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	28-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	29-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	30-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	31-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	32-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		

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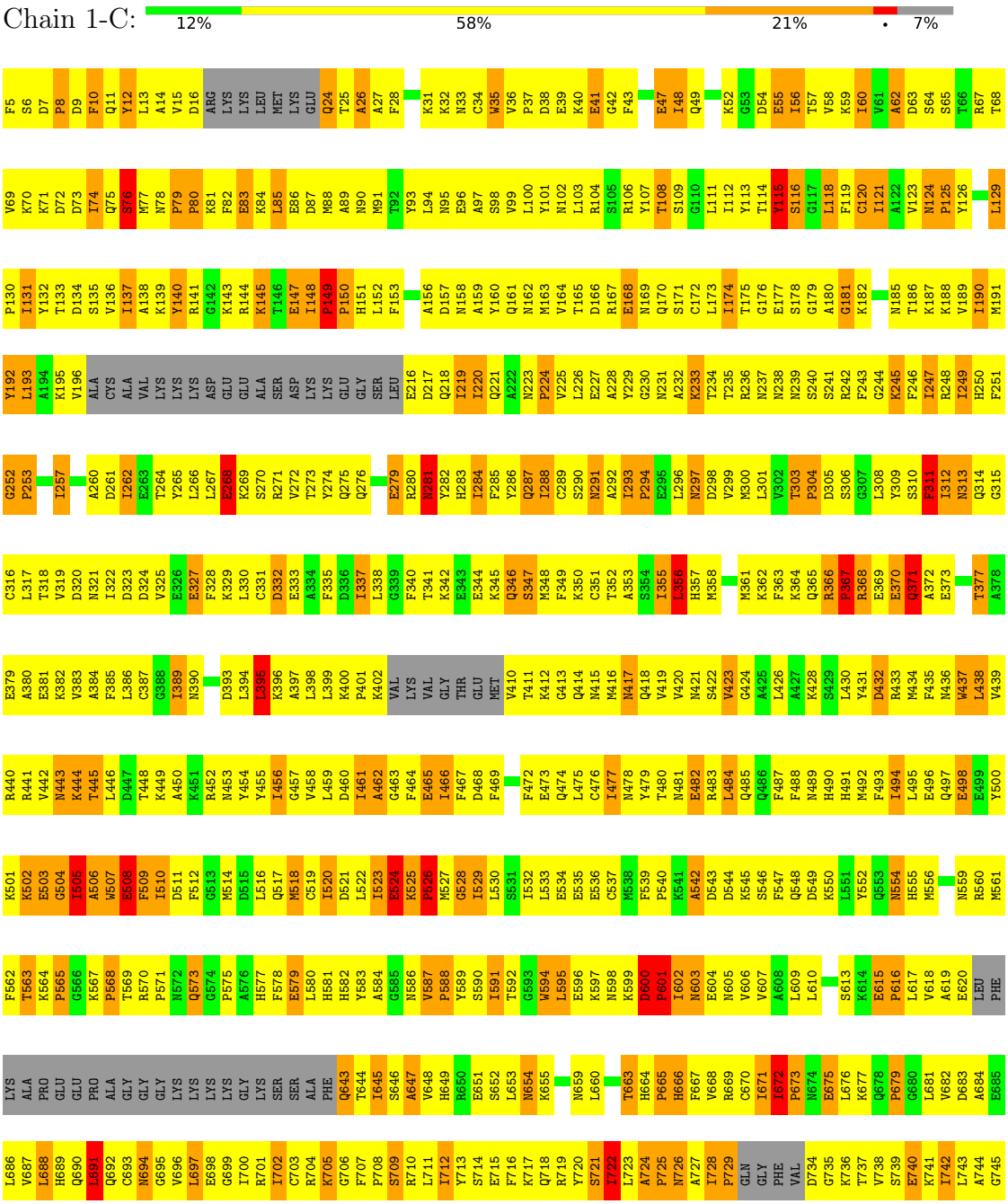
Mol	Chain	Residues	Atoms					AltConf	Trace
3	33-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	34-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	35-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	36-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	37-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	38-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	39-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	40-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	41-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	42-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		
3	43-Z	151	Total	C	N	O	S	0	0
			1198	757	190	244	7		

3 Residue-property plots (i)

These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

- Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

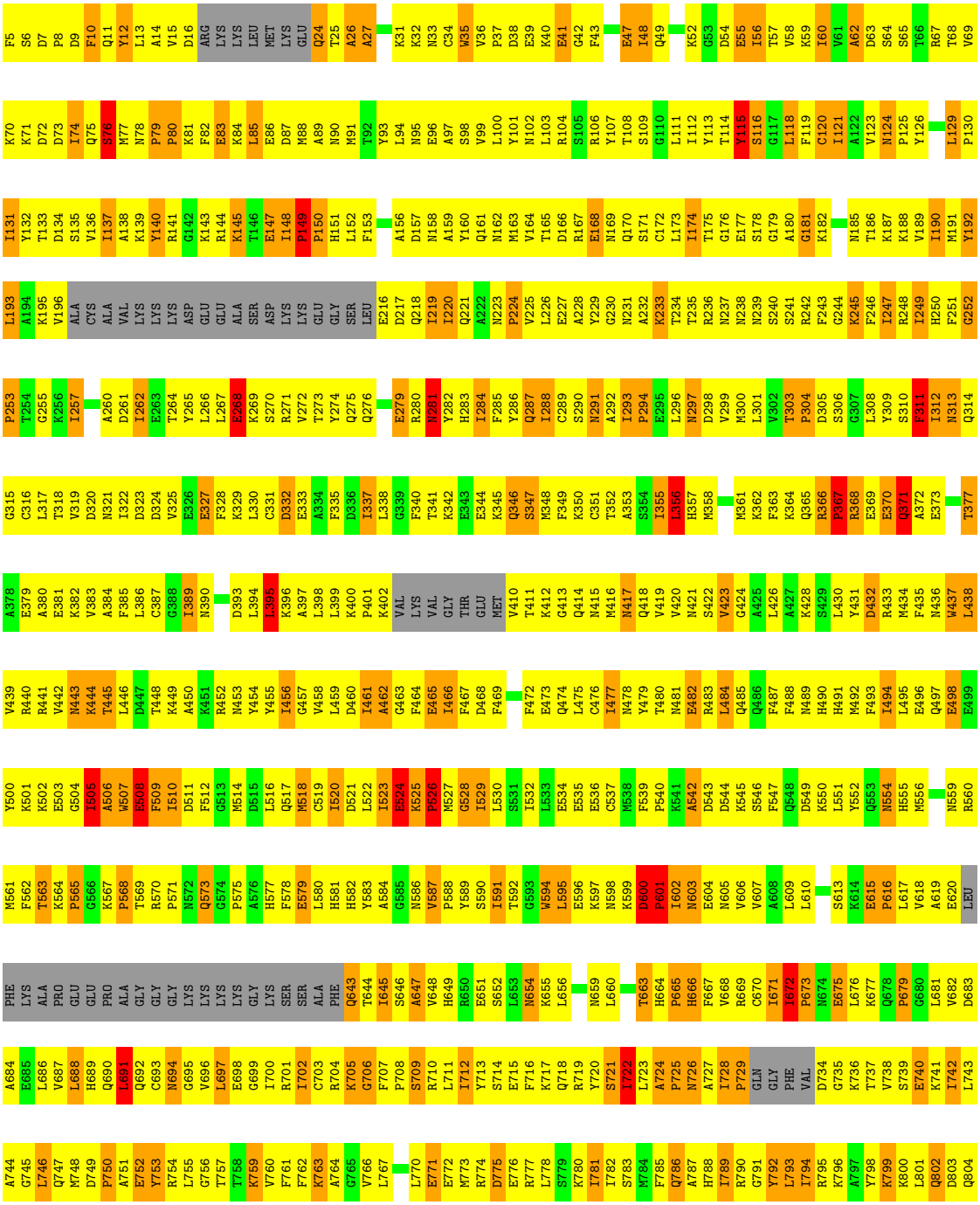
Chain 1-C:





• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

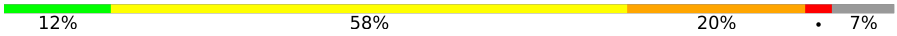
Chain 2-C: 12% 58% 20% • 7%

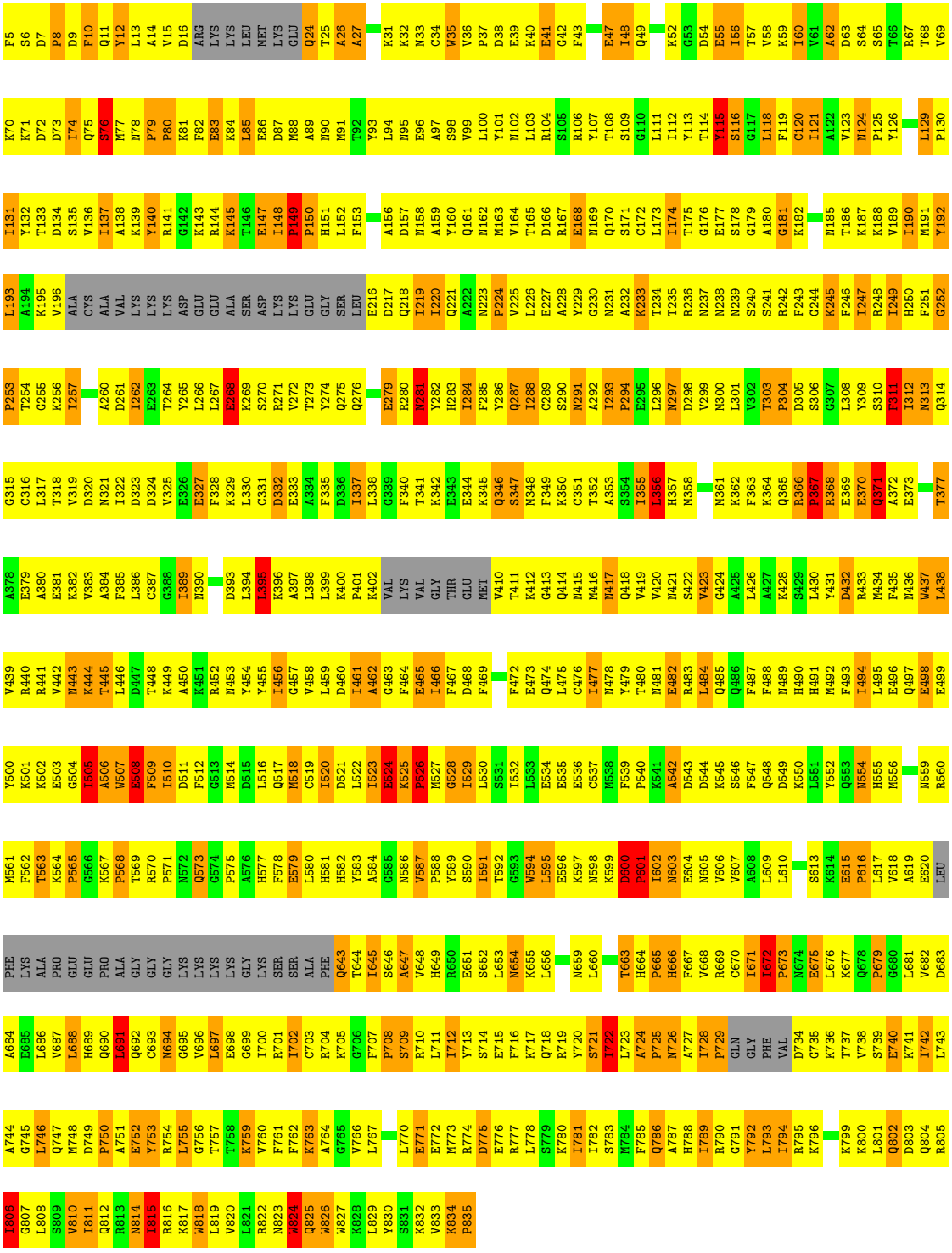




• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

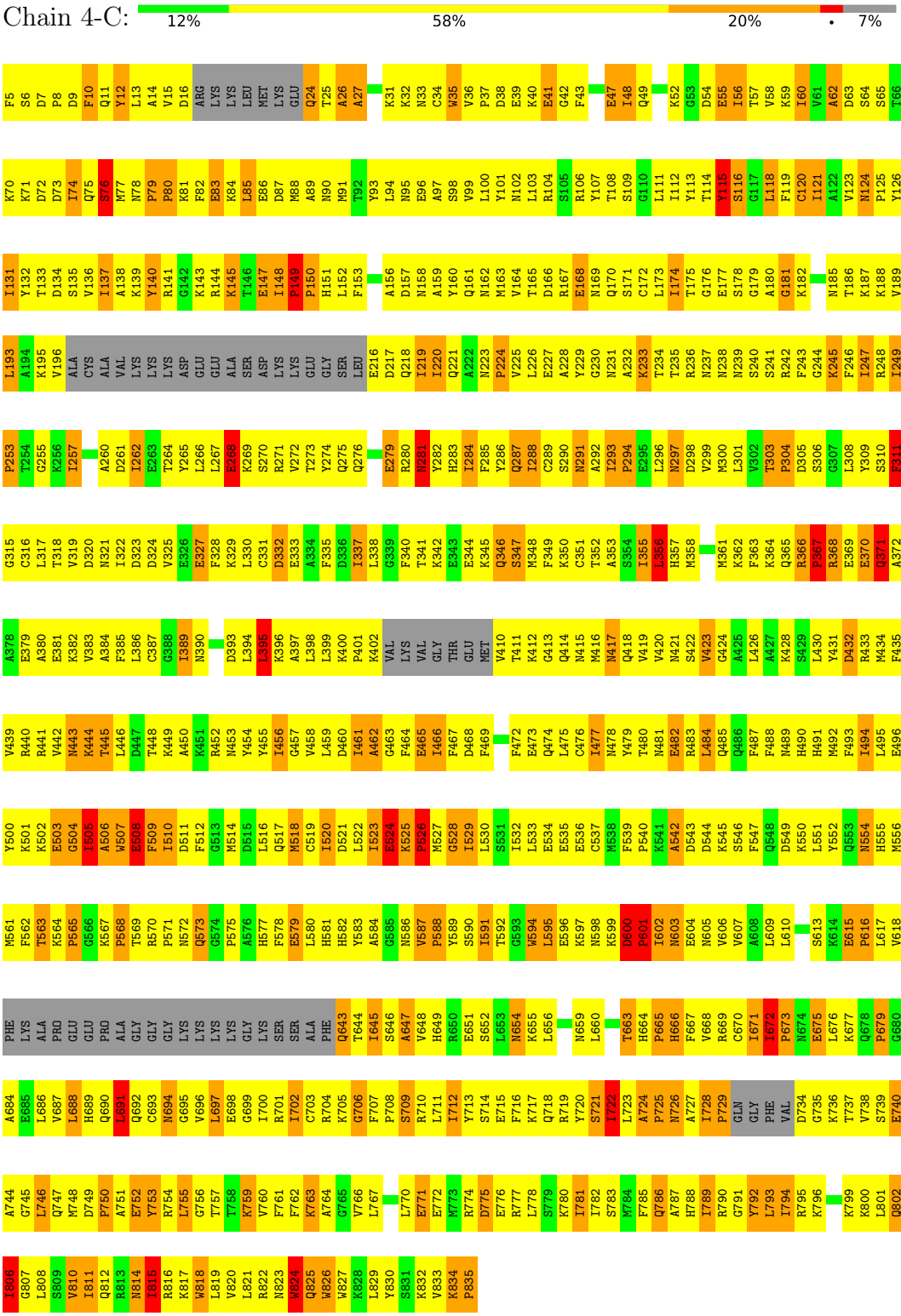
Chain 3-C:





• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

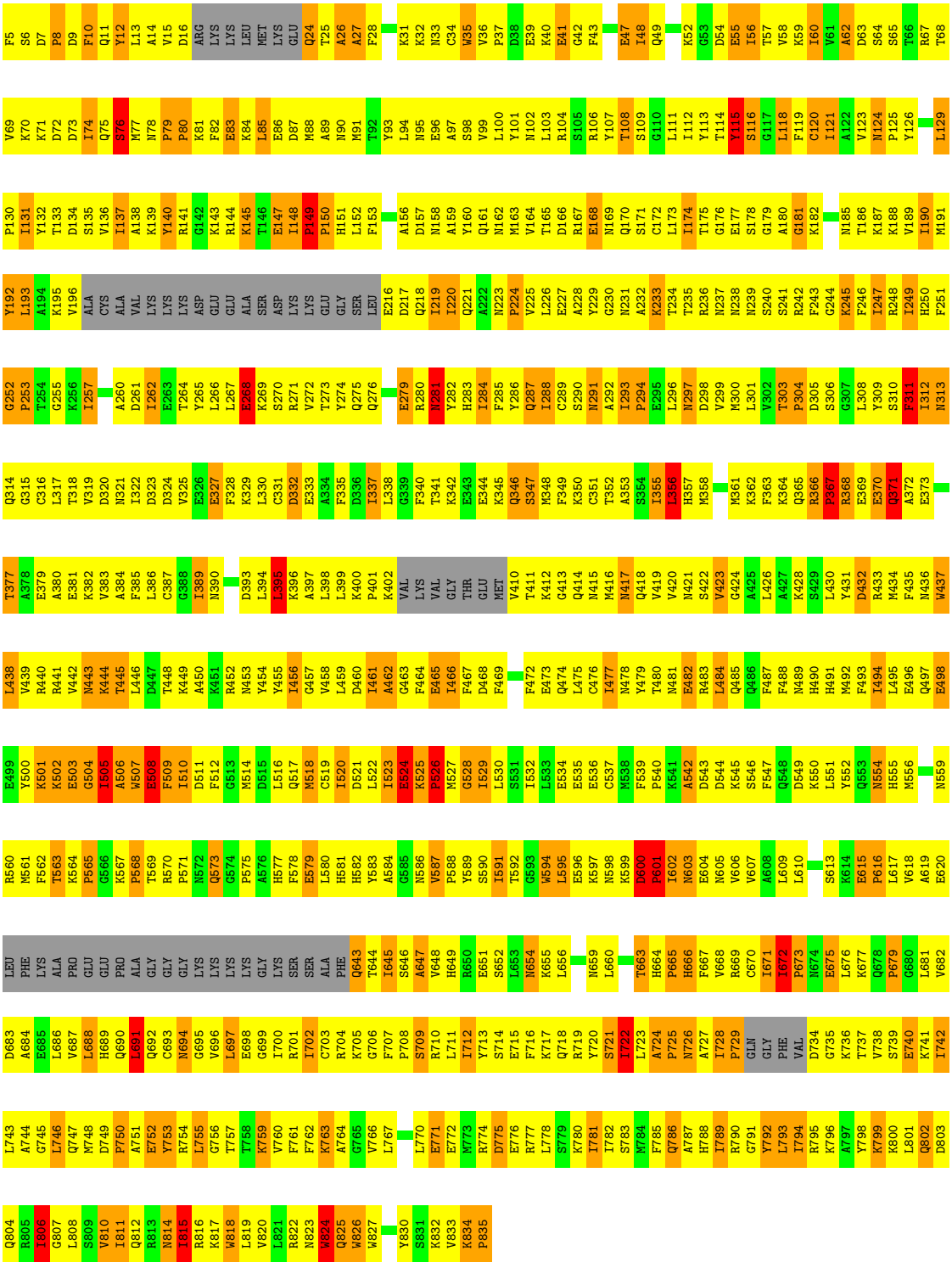
Chain 4-C:



• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

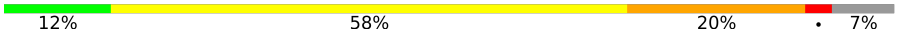
Chain 5-C:



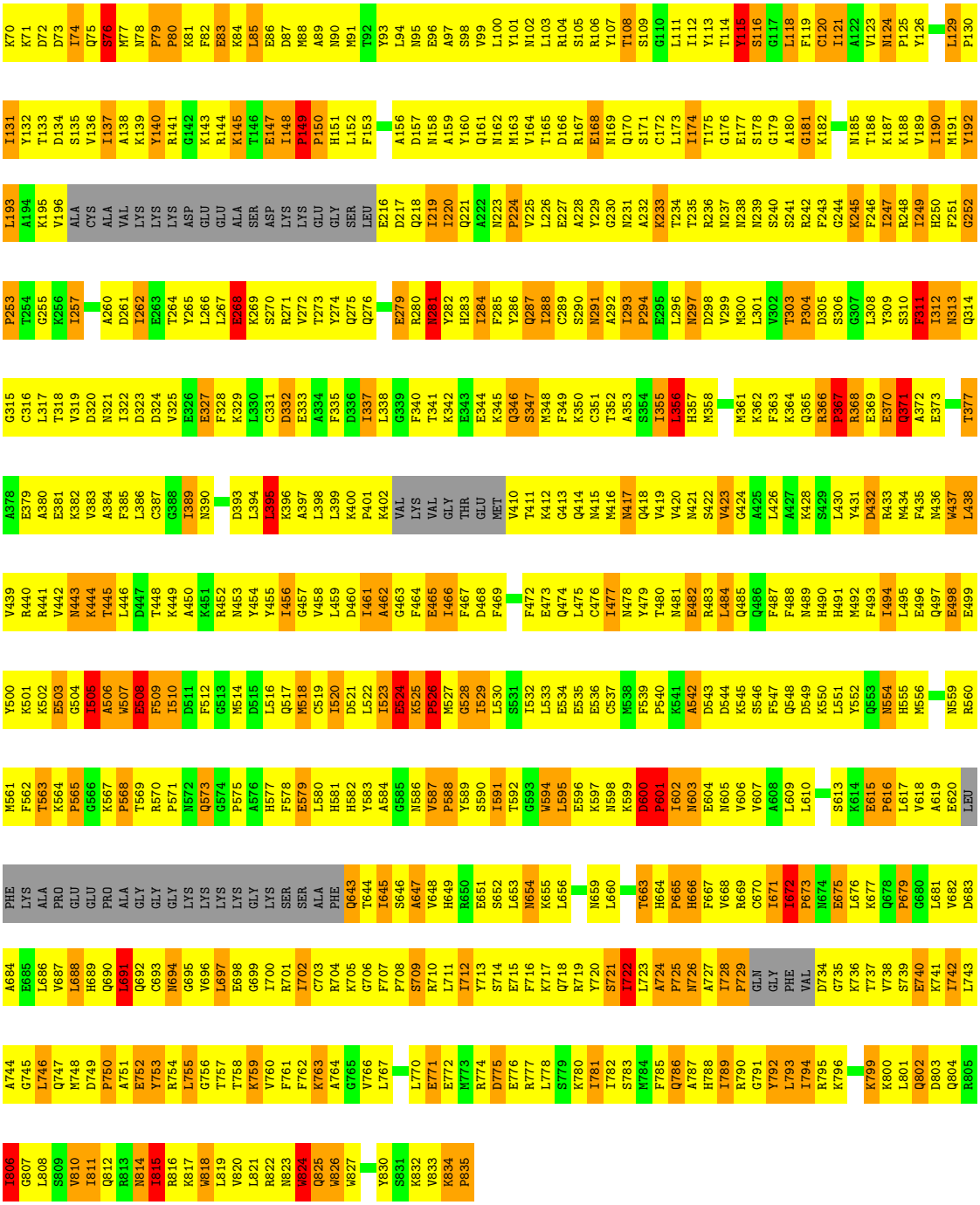


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 6-C:

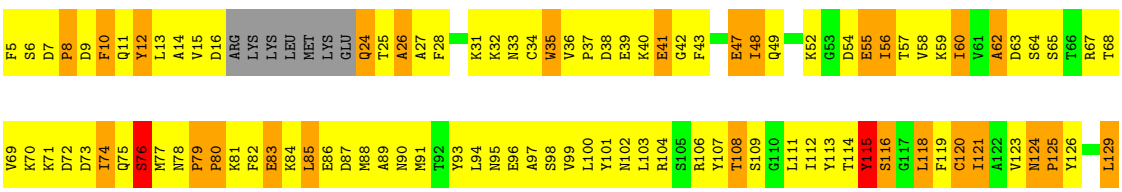


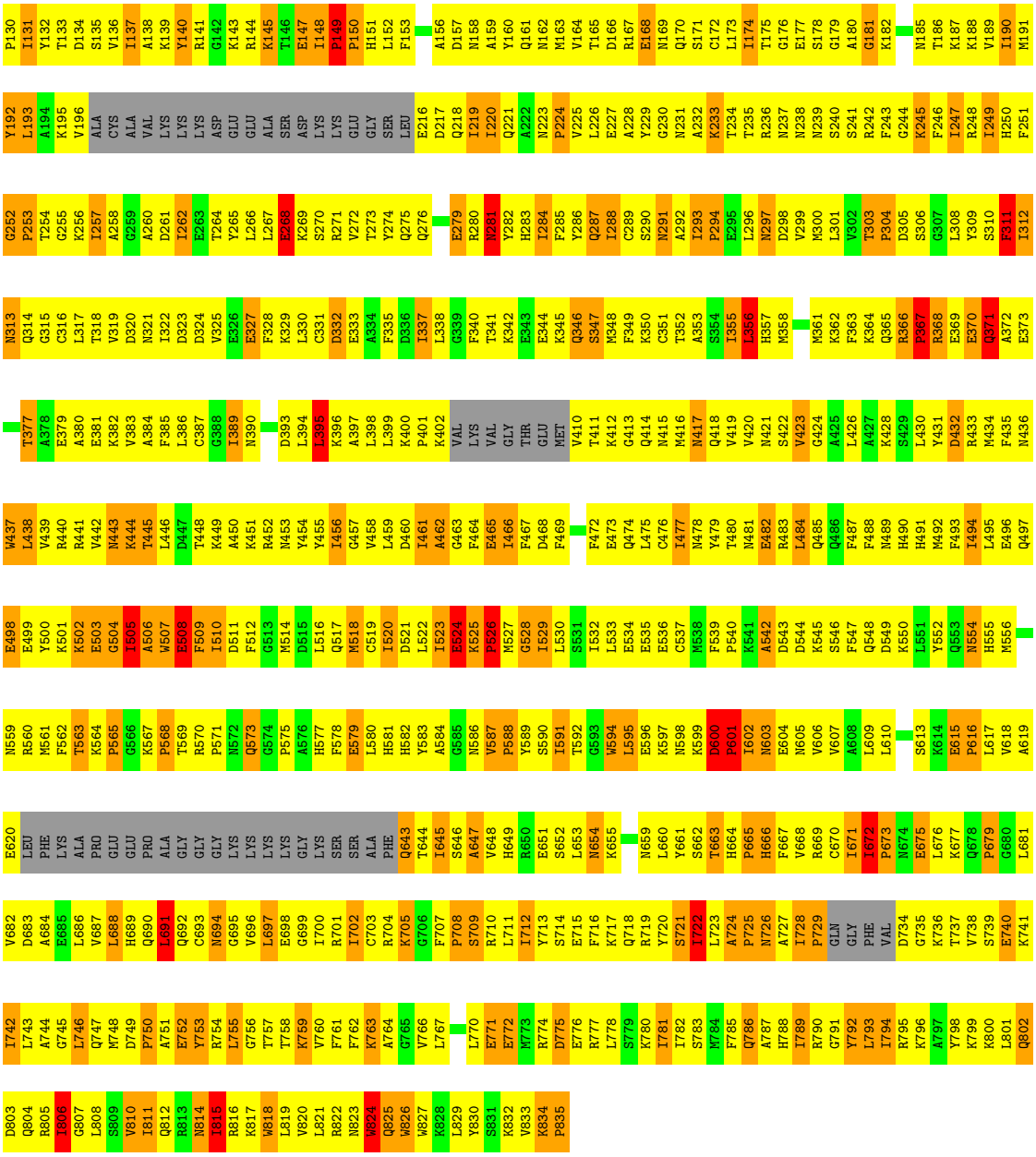




• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

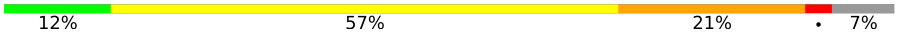
Chain 7-C: 11% 58% 21% • 7%

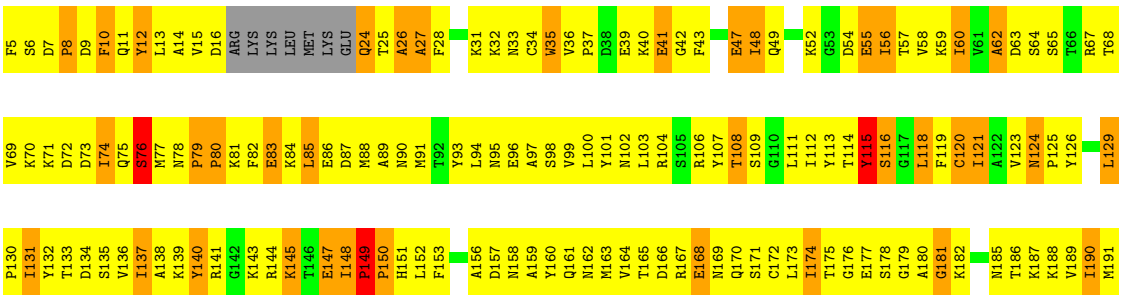


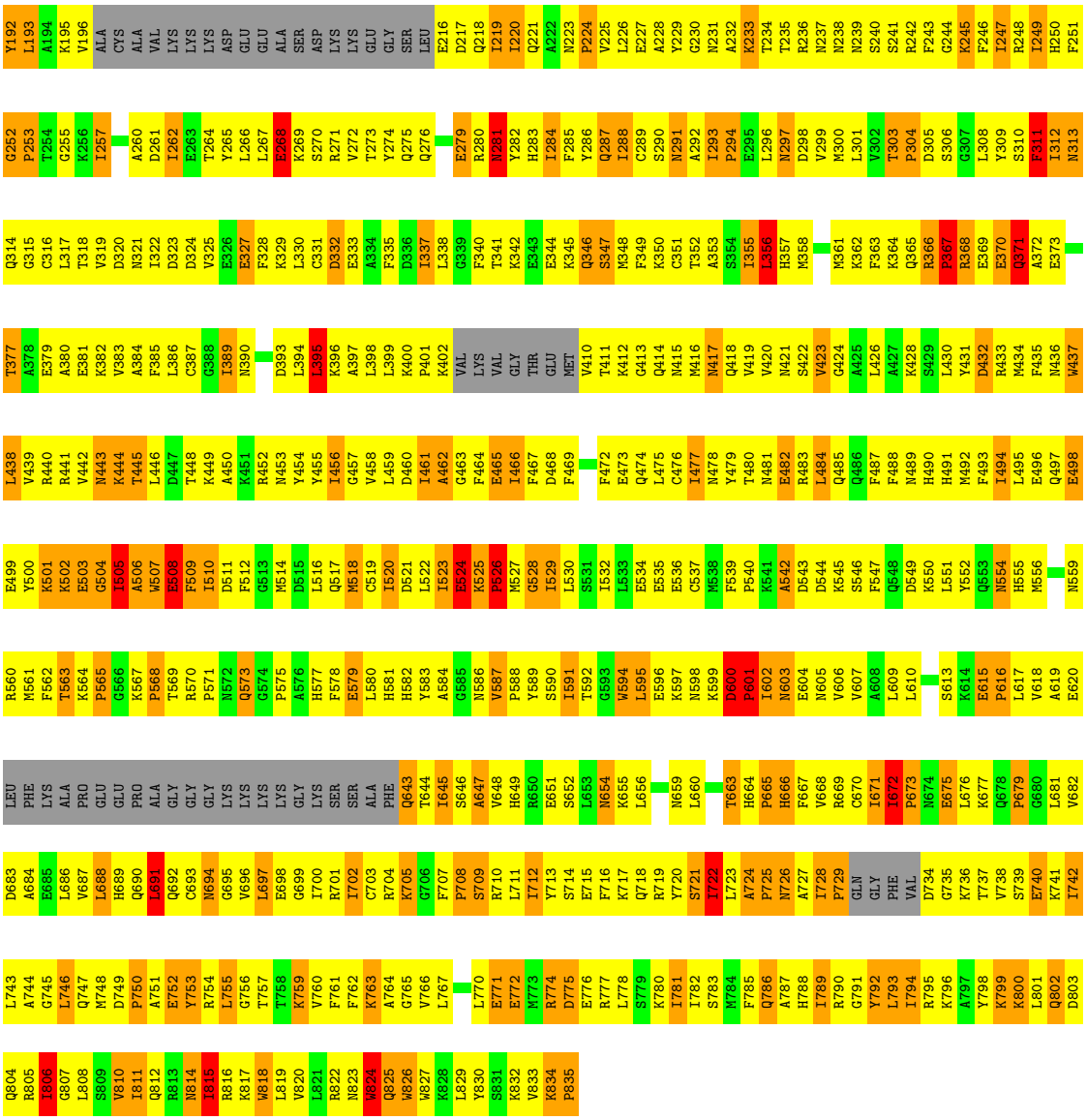


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 8-C:

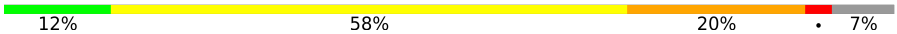


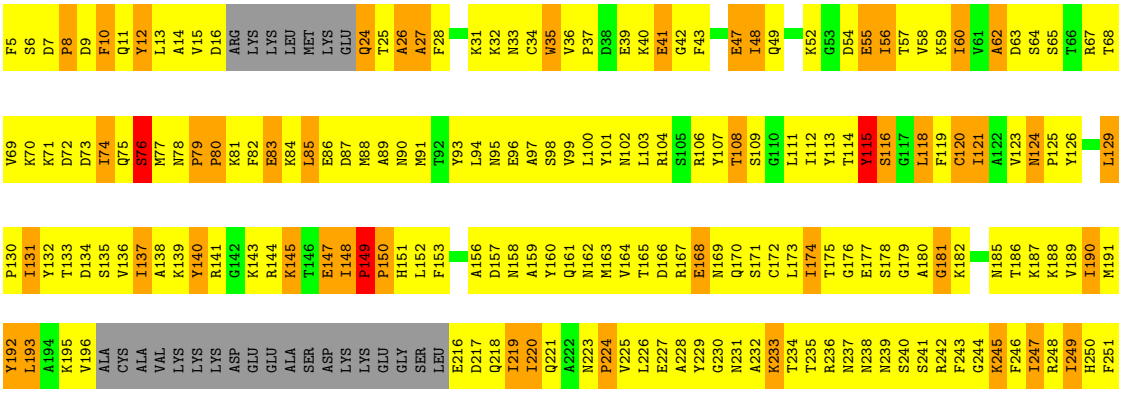


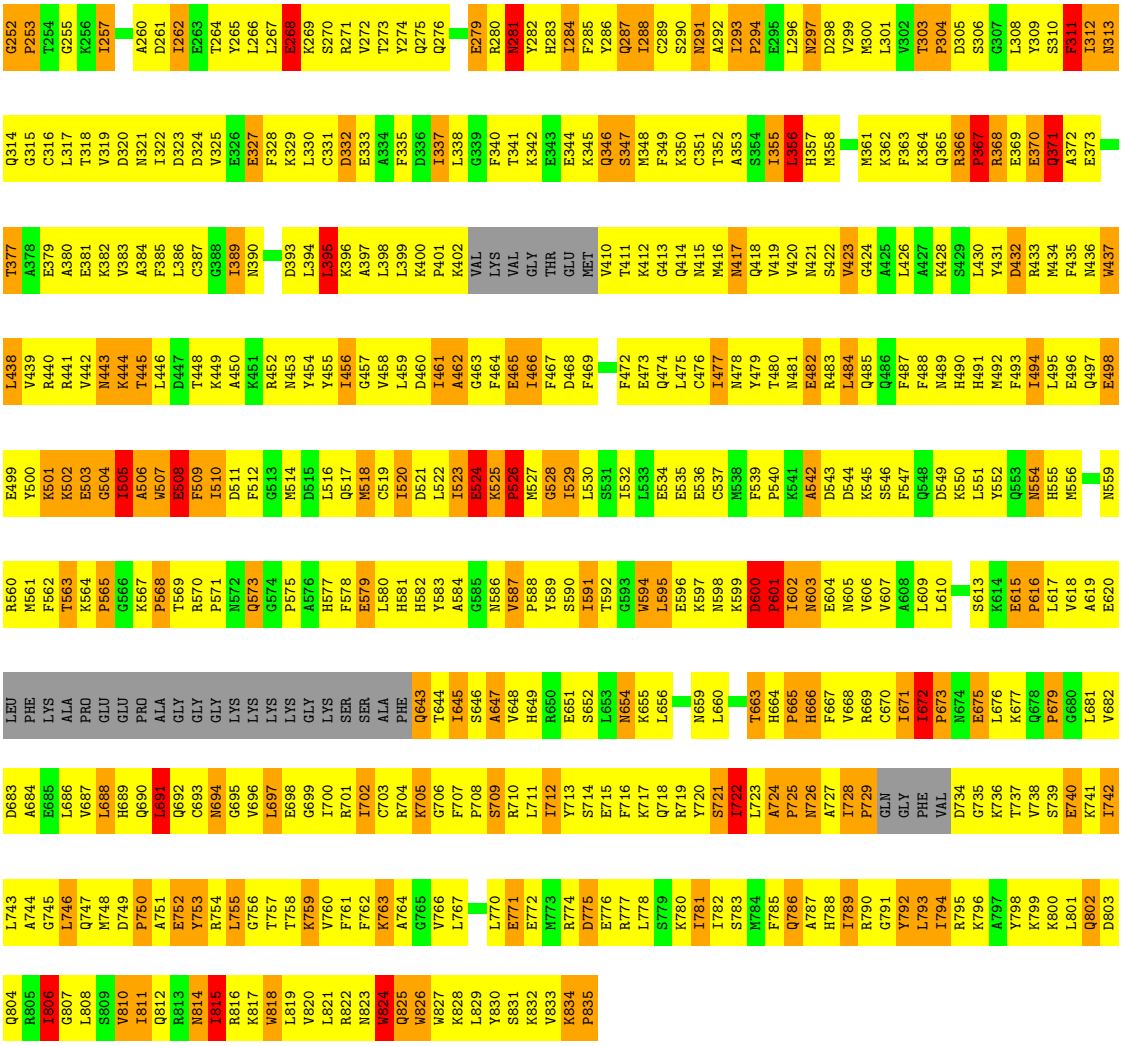


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 9-C:

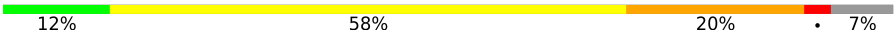


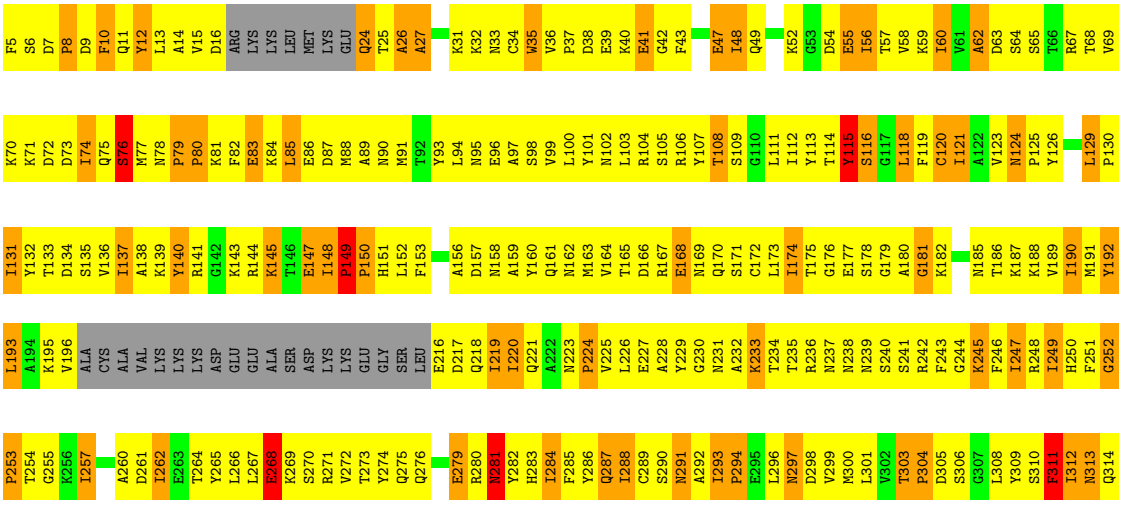


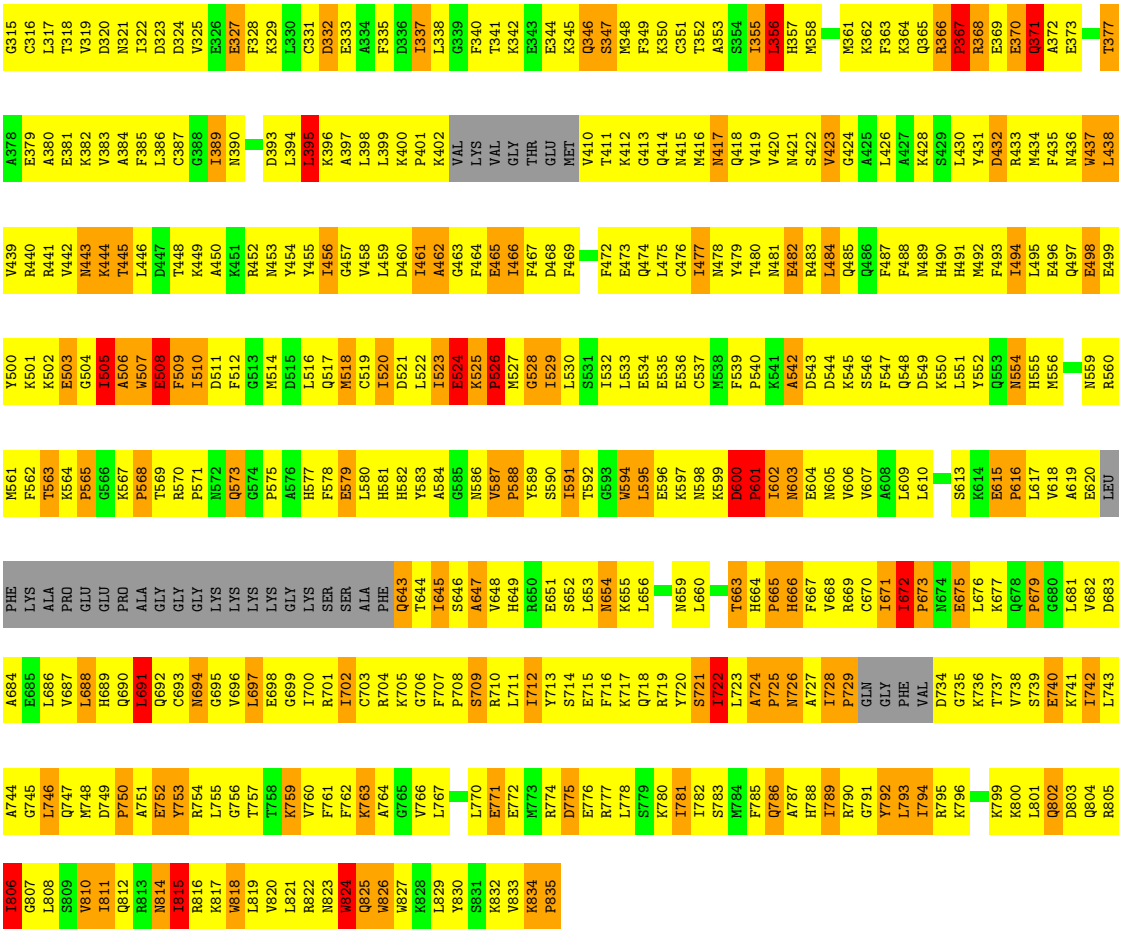


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 10-C:



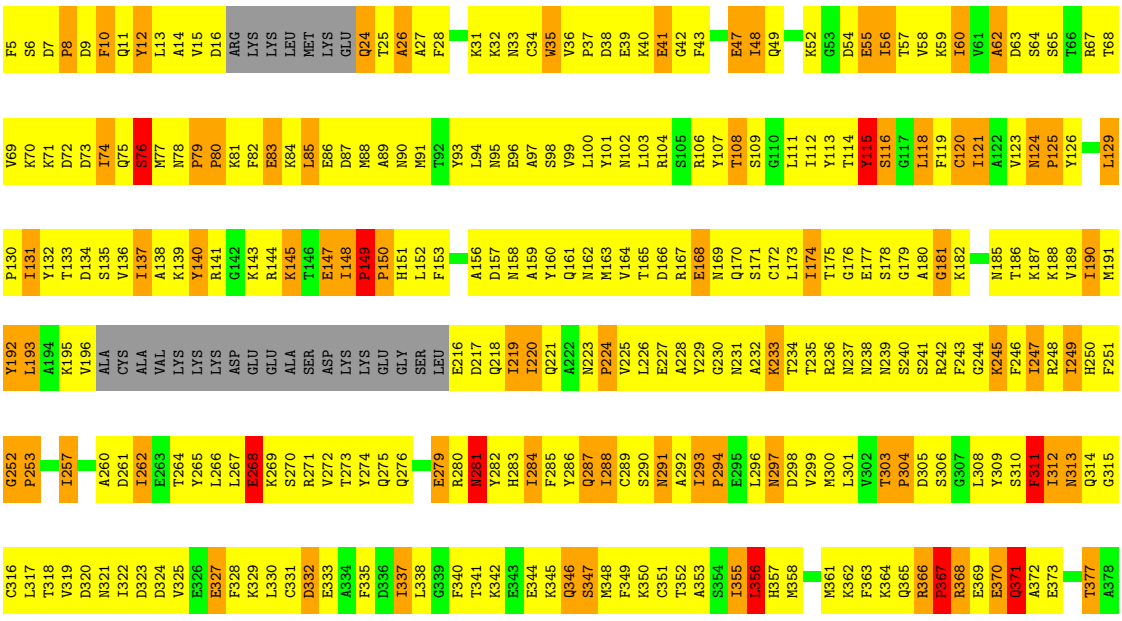


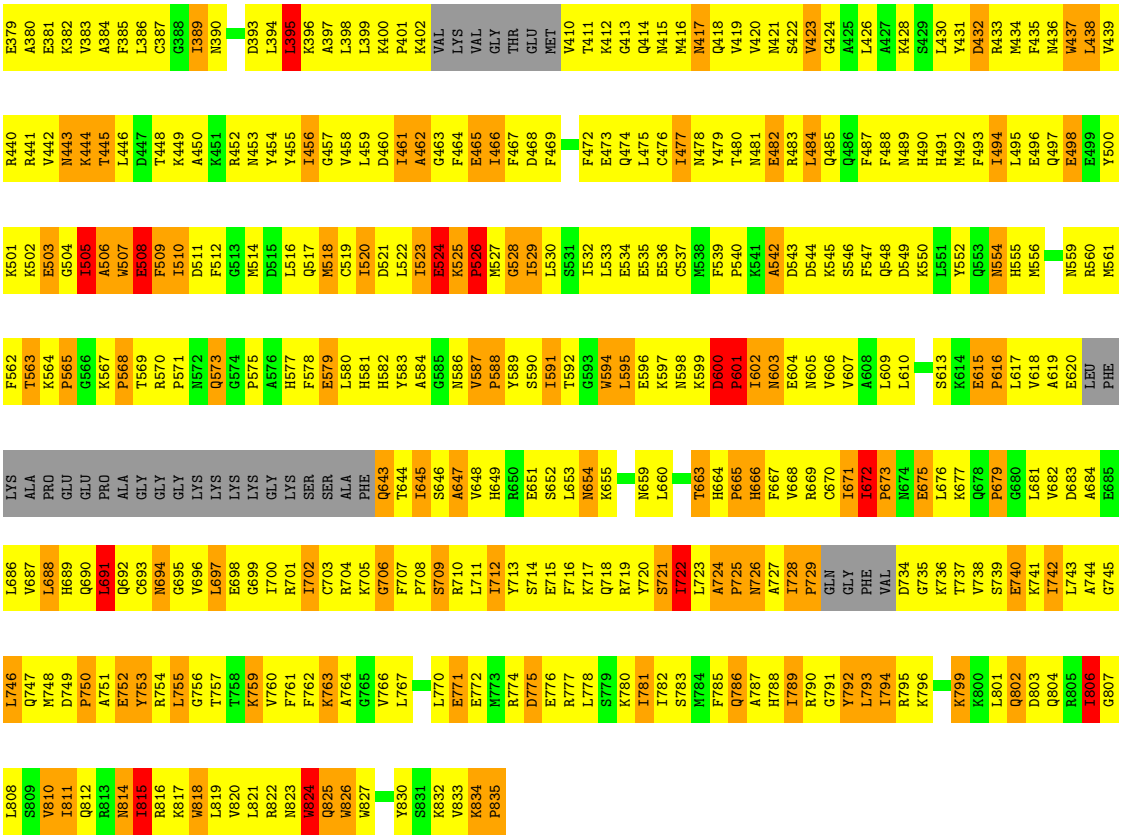


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 11-C:

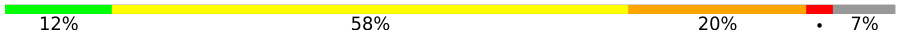


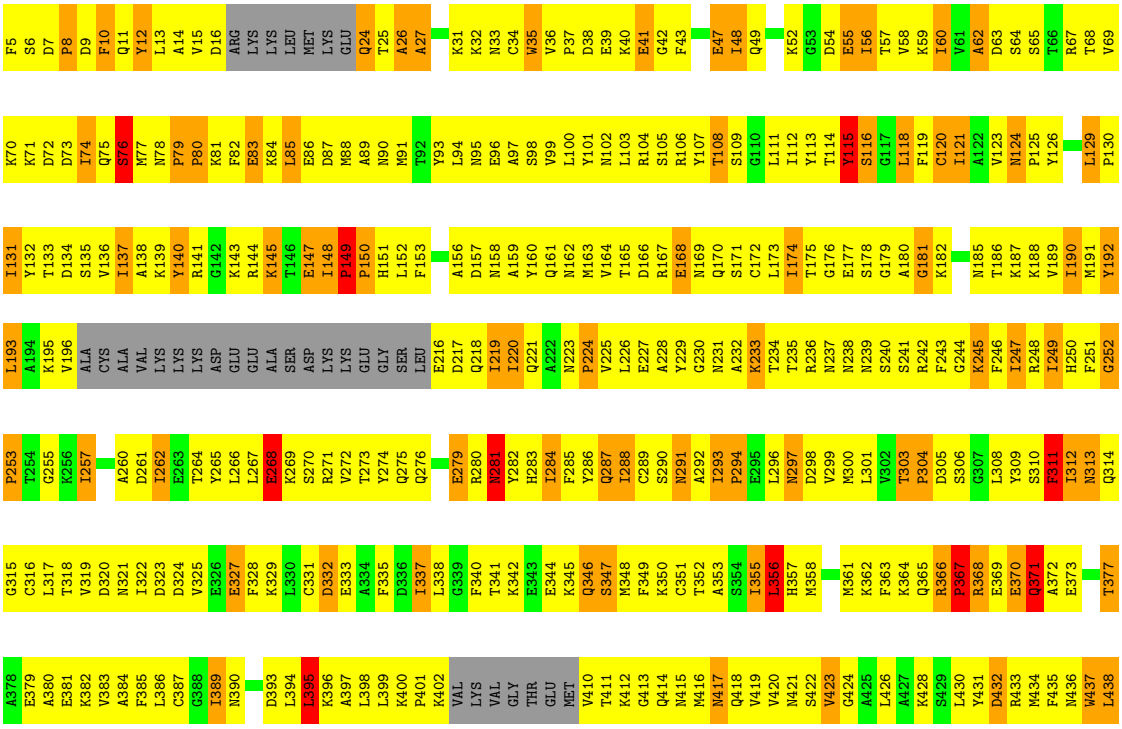


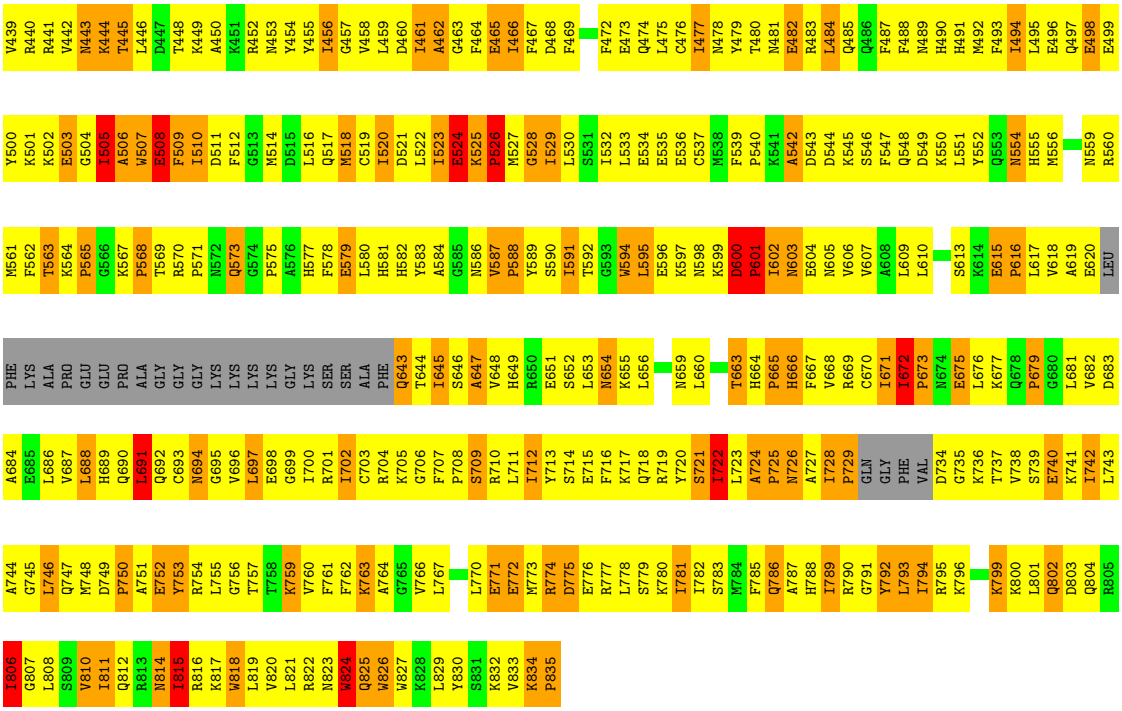


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 12-C:



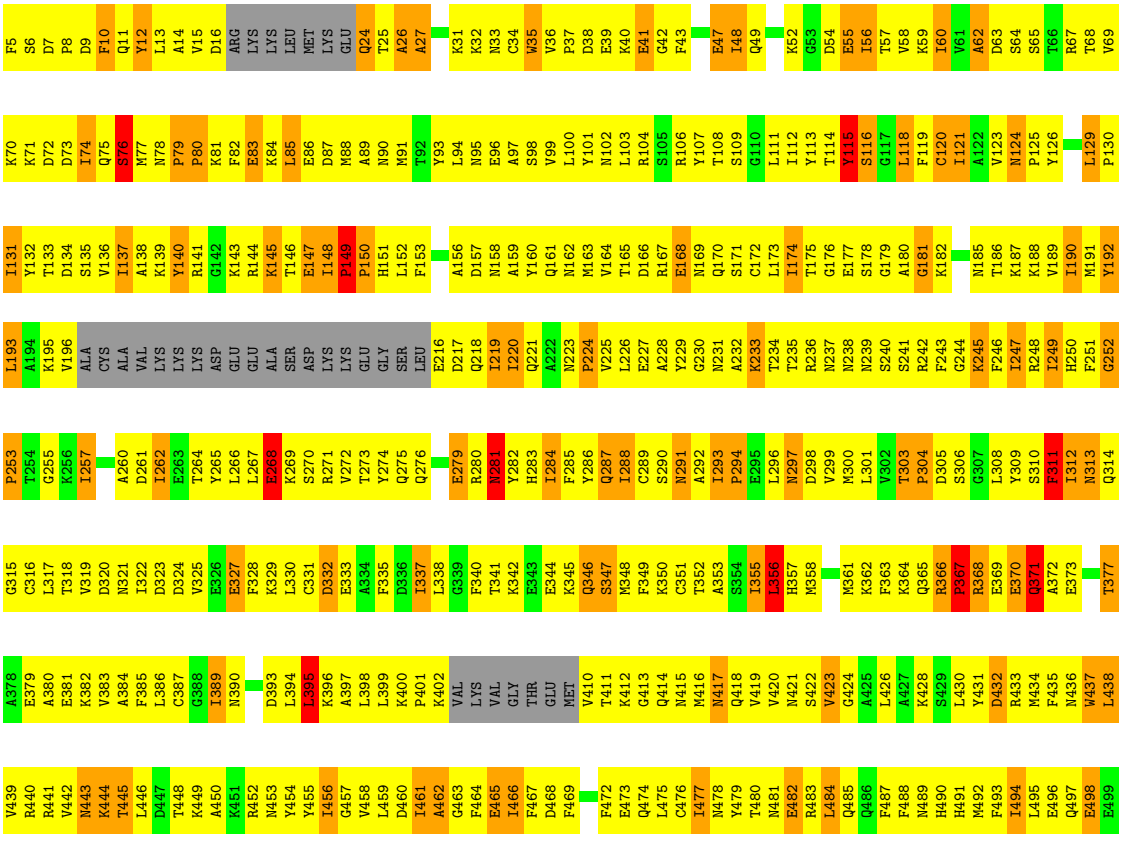


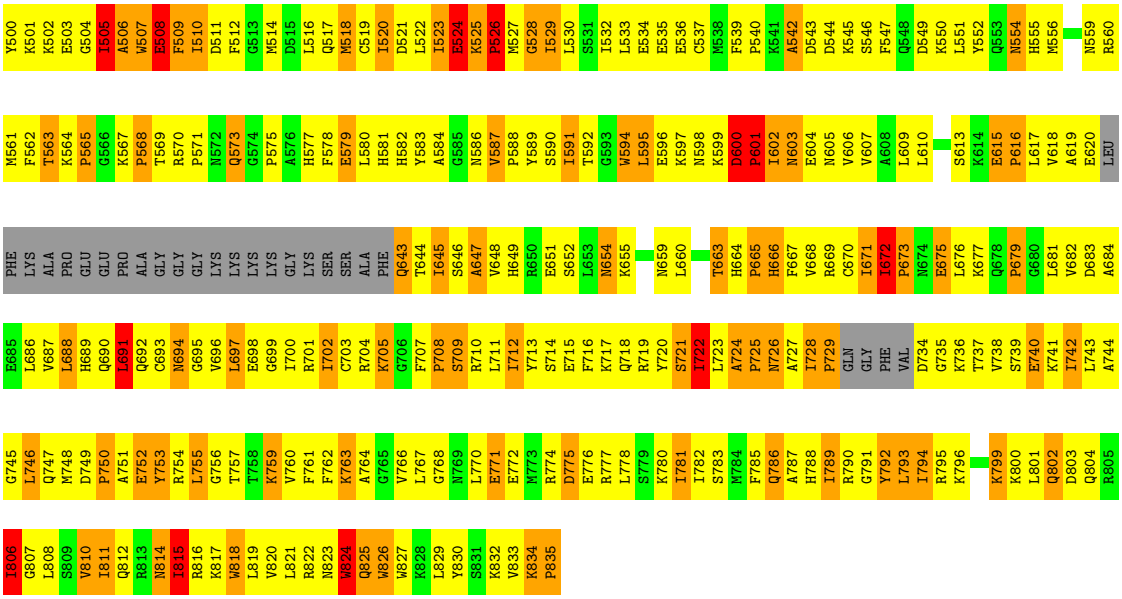


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 13-C:

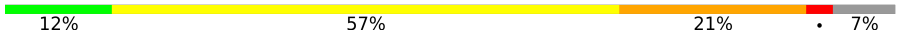


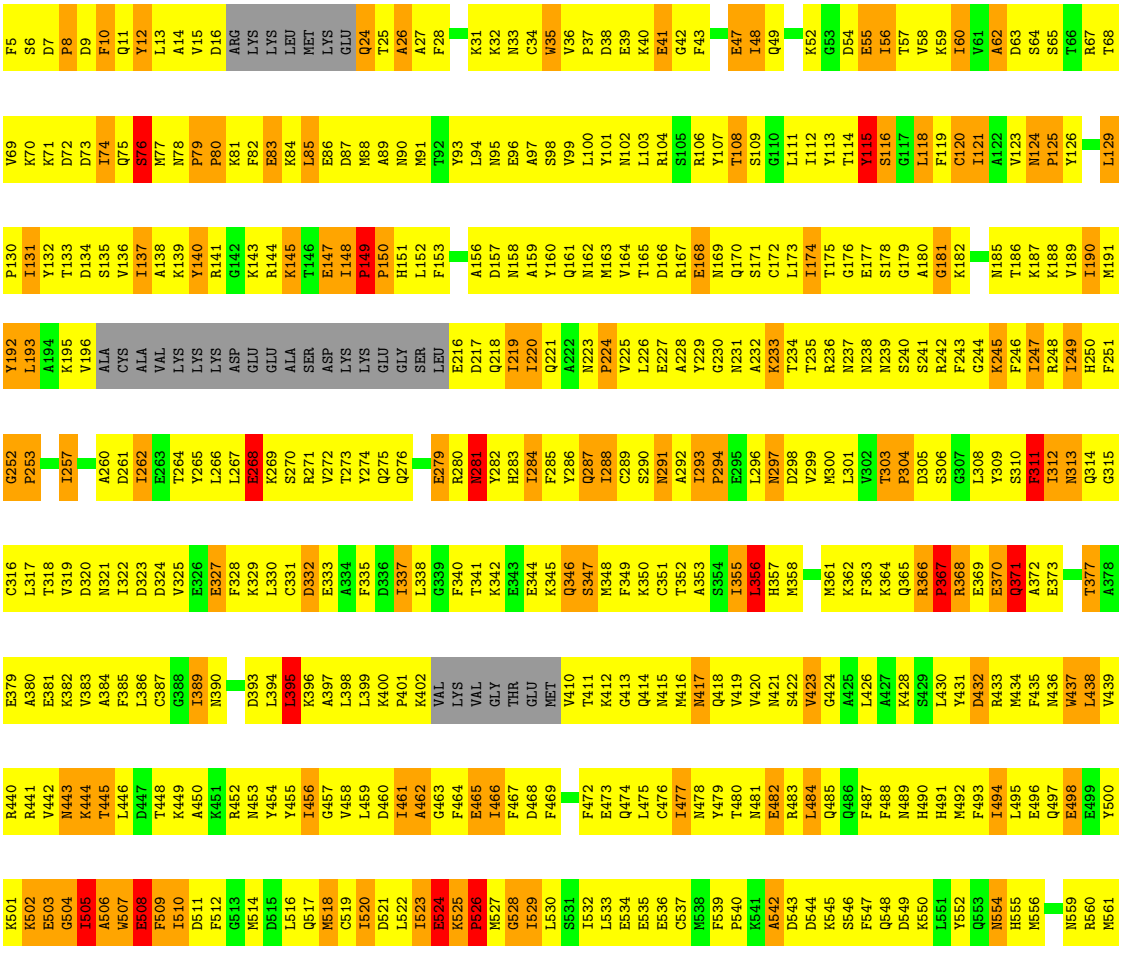


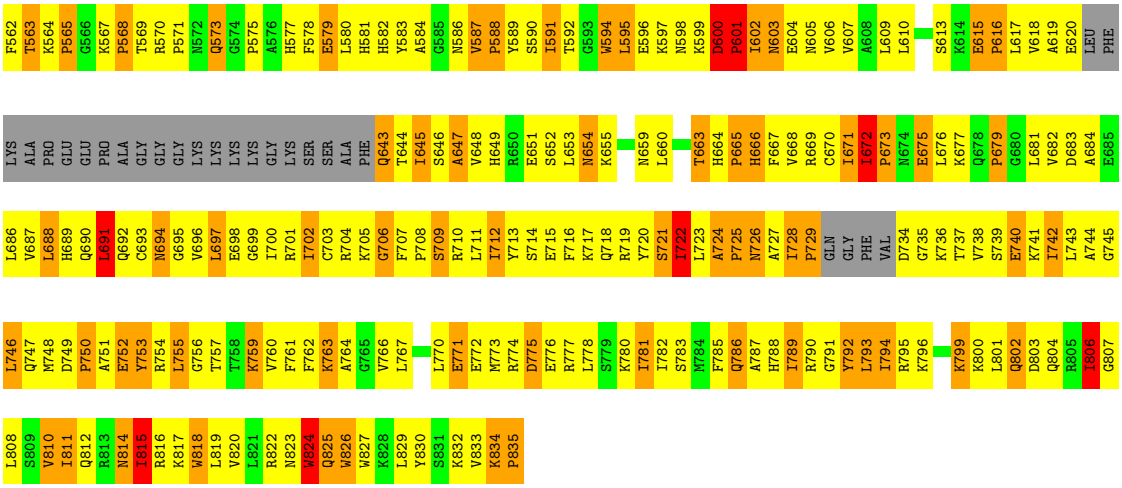


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 14-C:



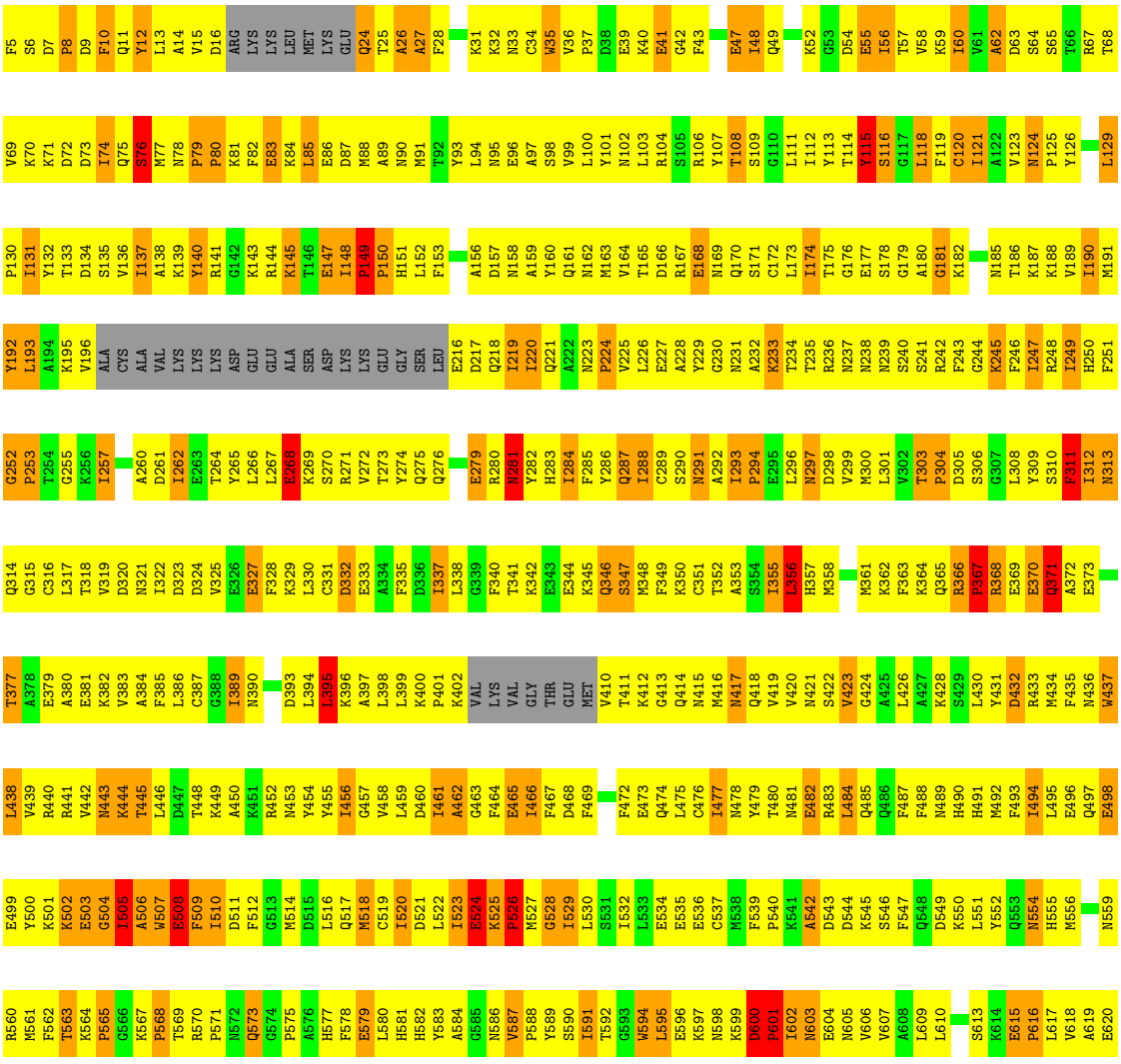


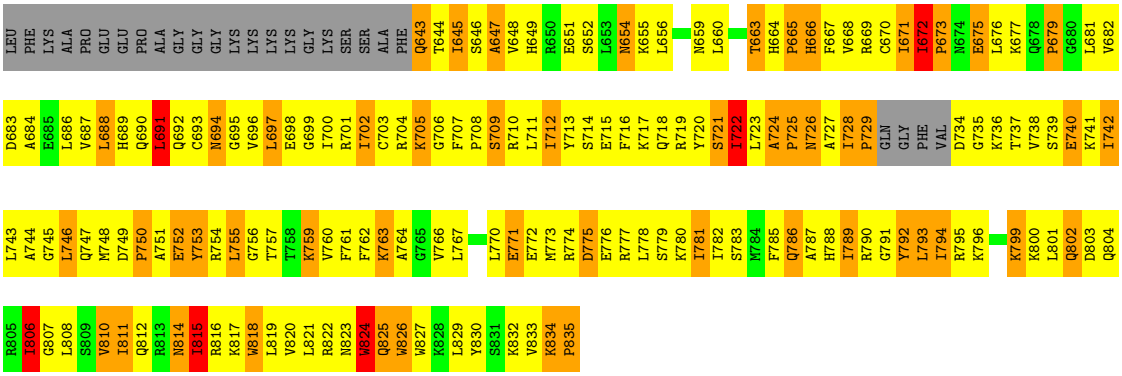


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 15-C:

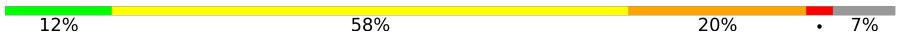


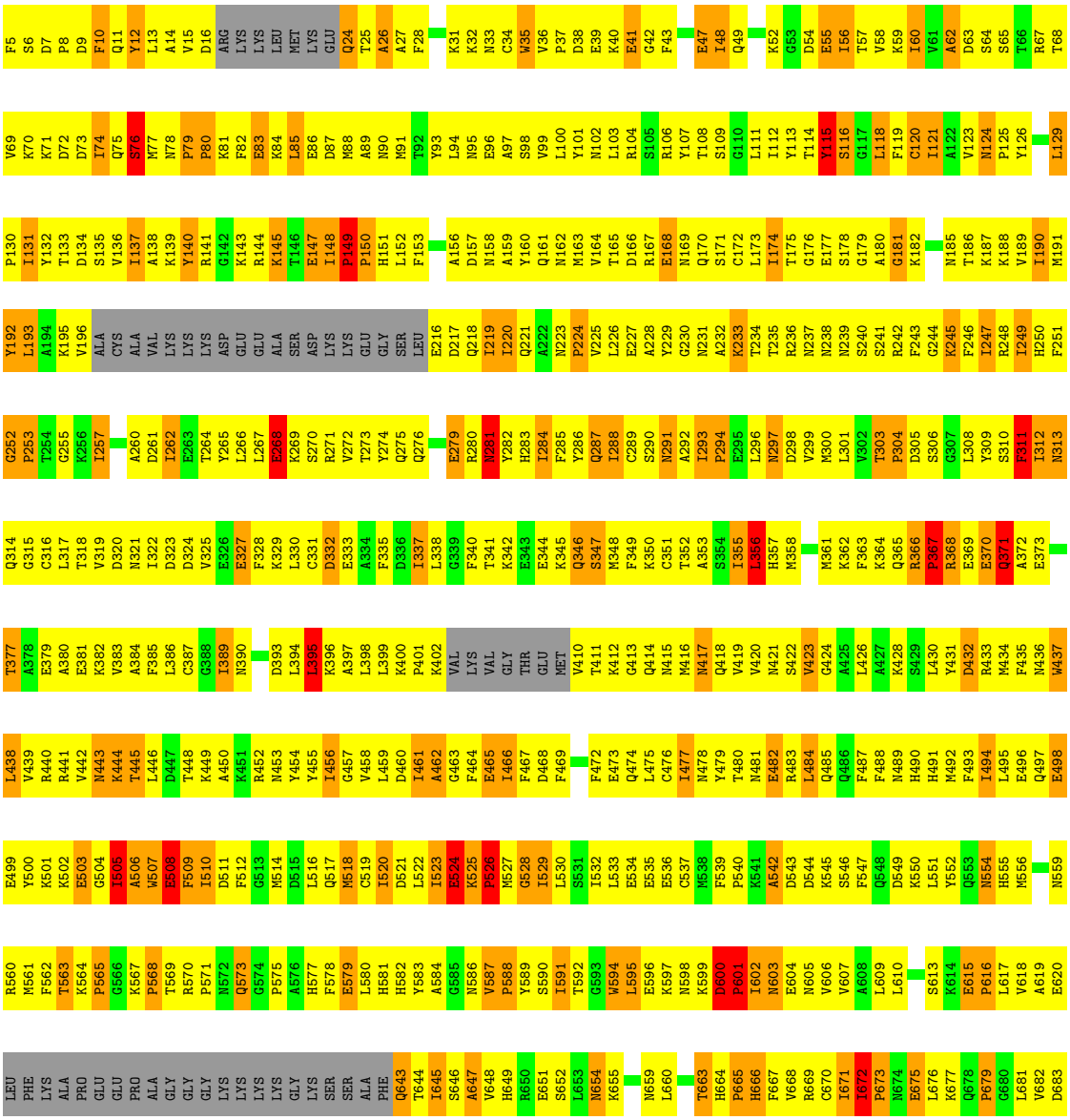




• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 16-C:



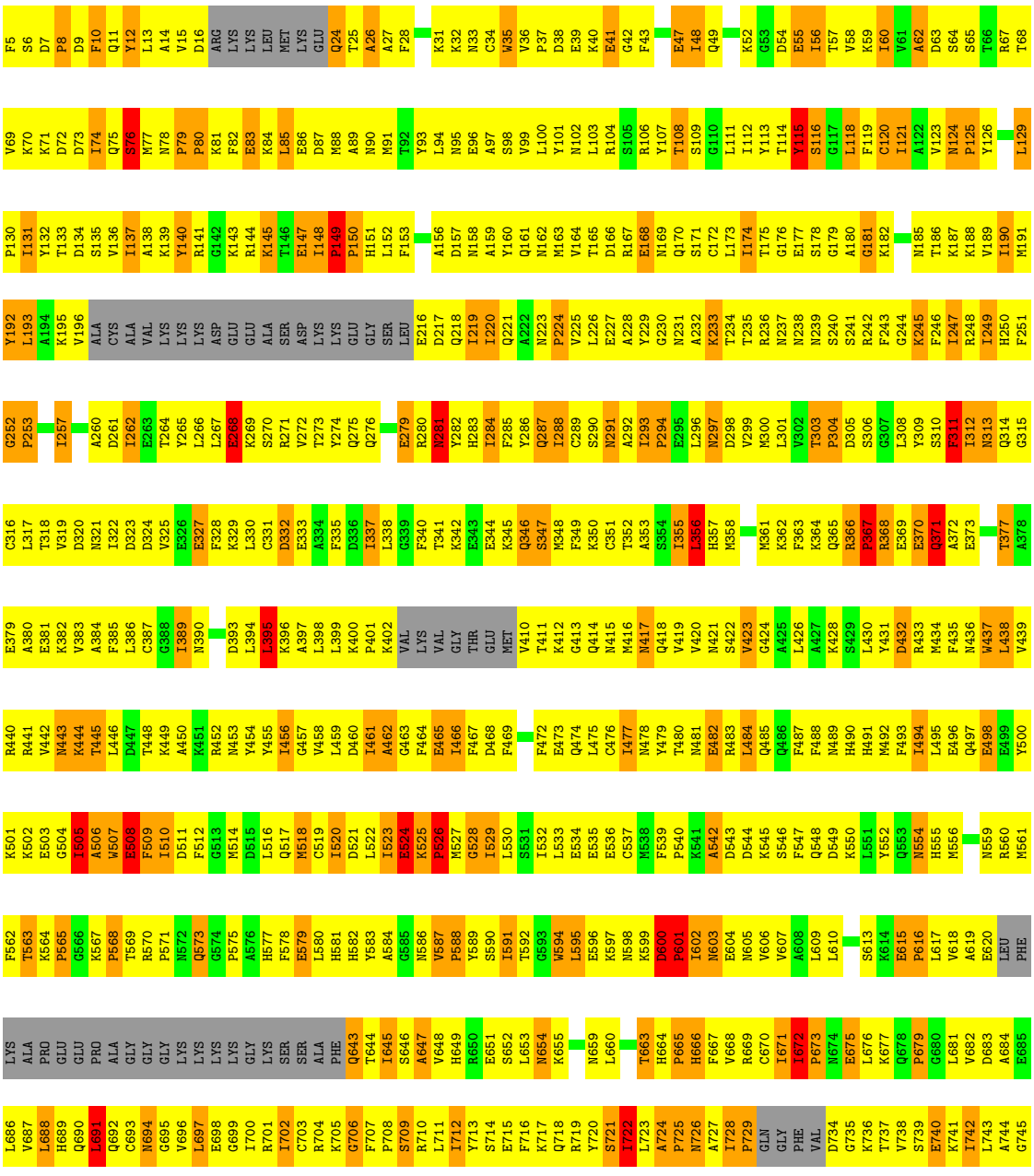




• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 17-C:

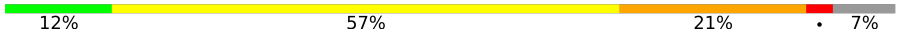


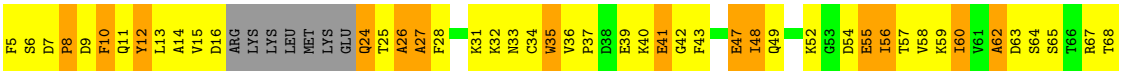


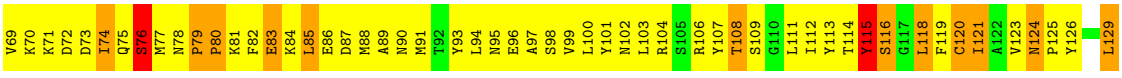


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

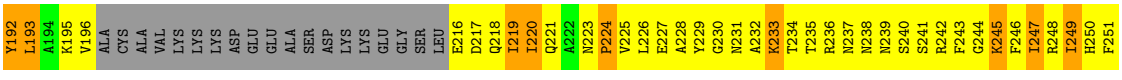
Chain 18-C:



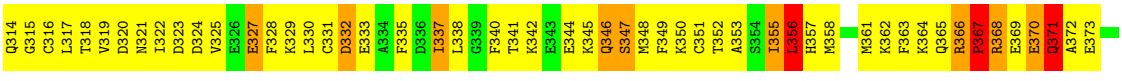




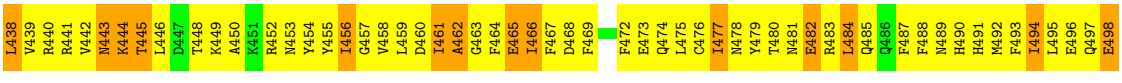


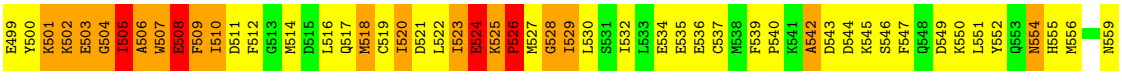
















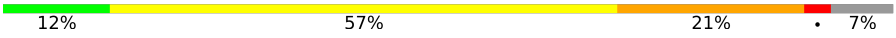


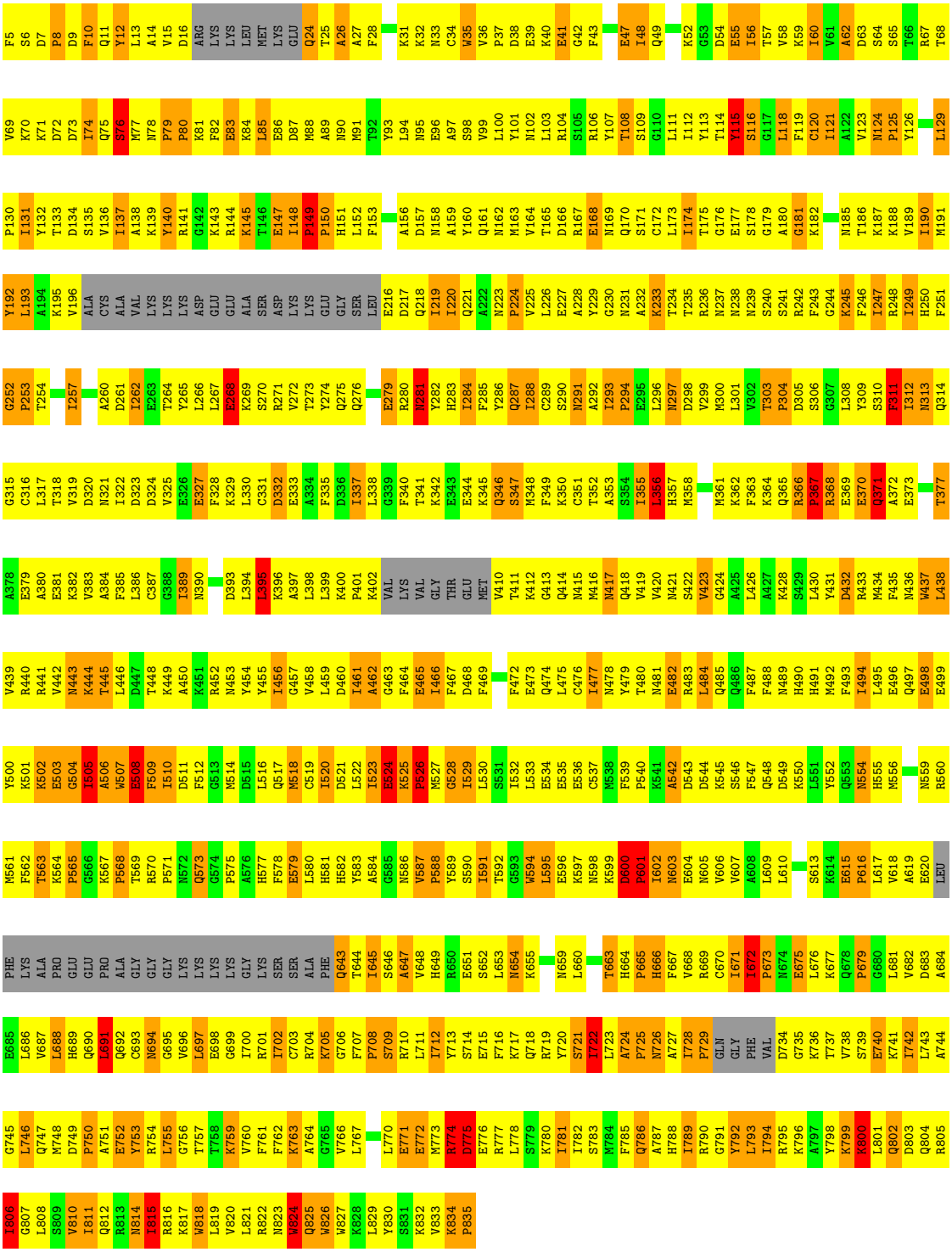




• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

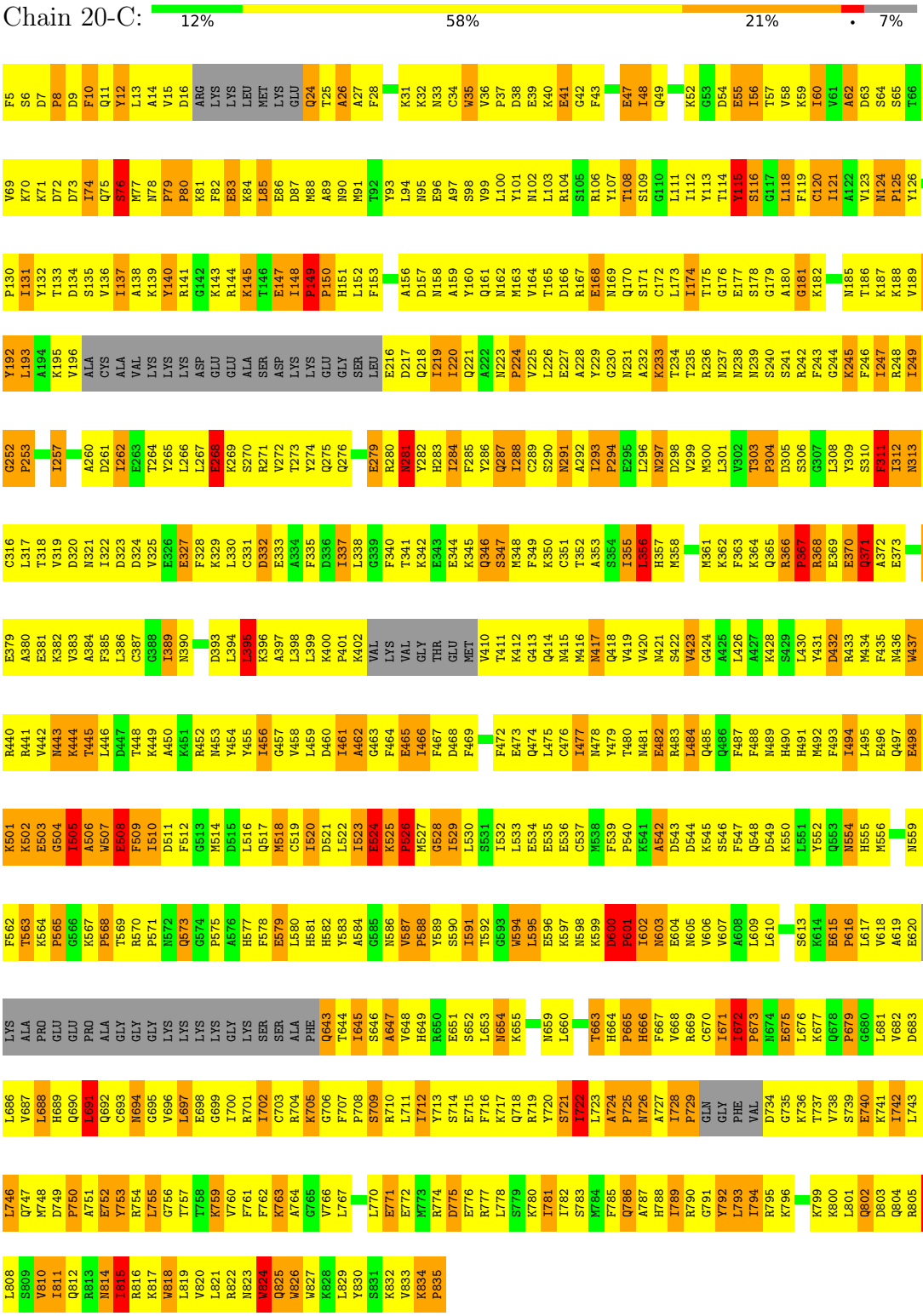
Chain 19-C:





• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

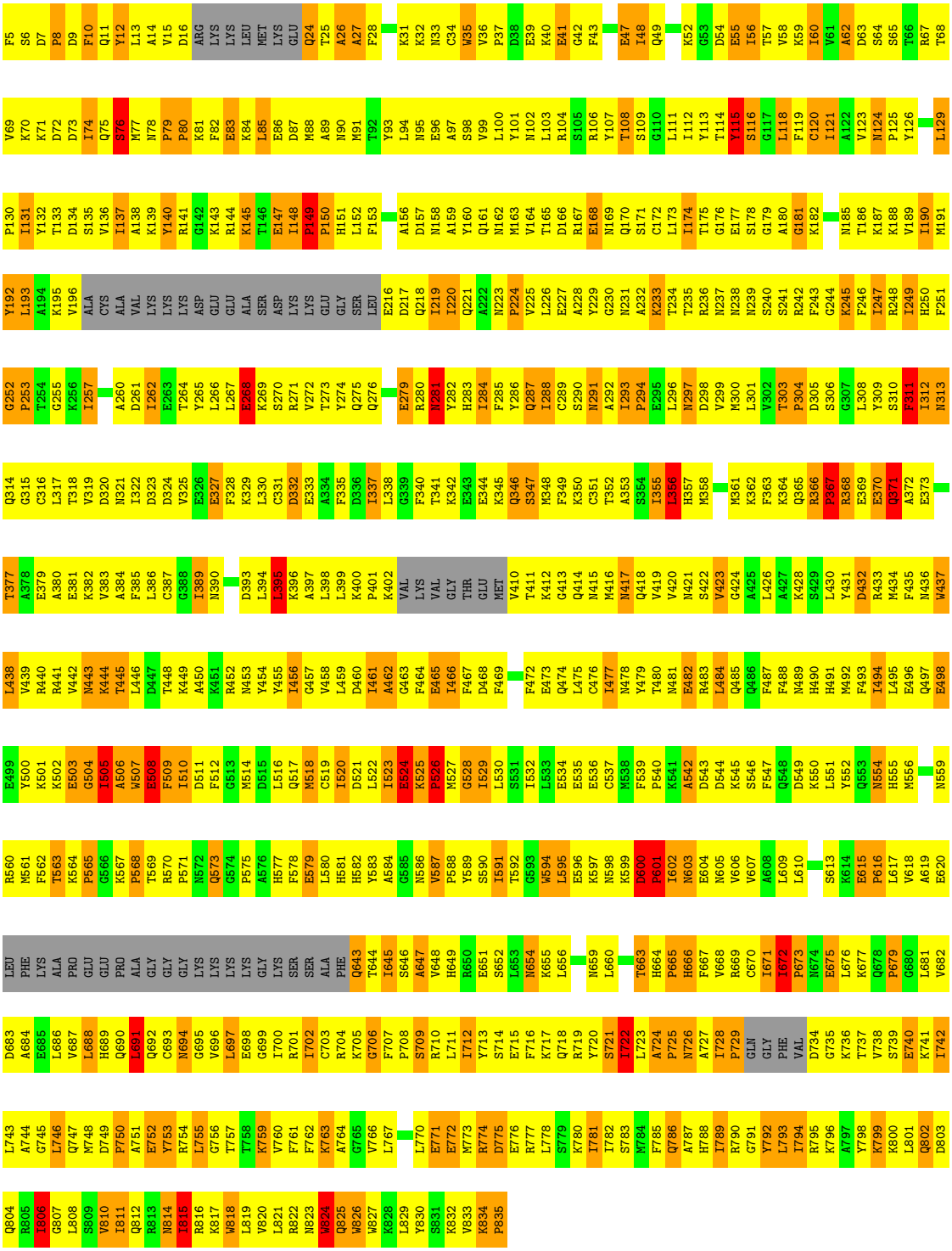
Chain 20-C:



• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

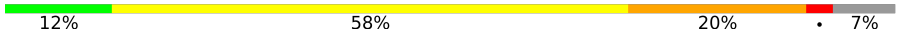
Chain 21-C:



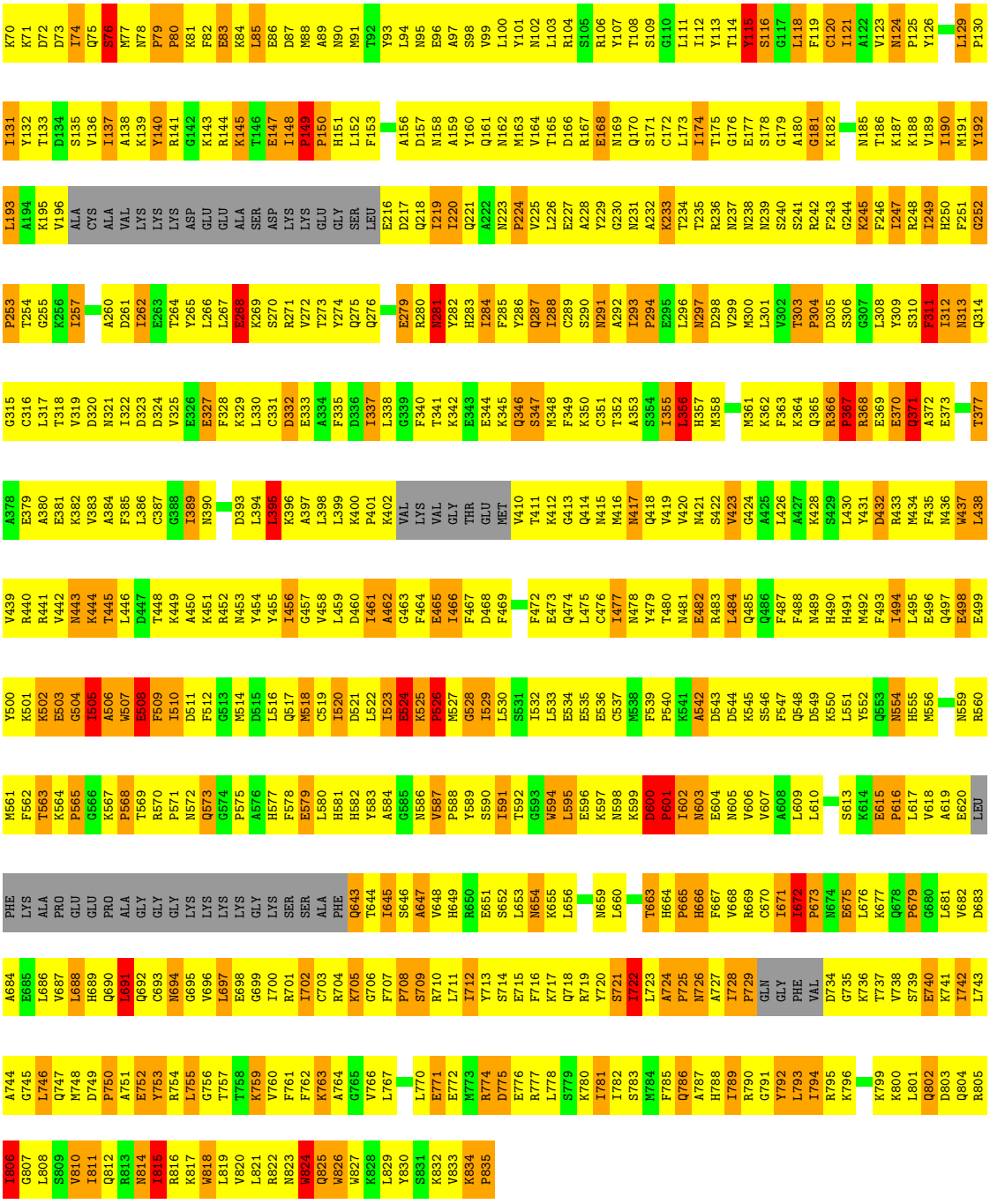


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 22-C:



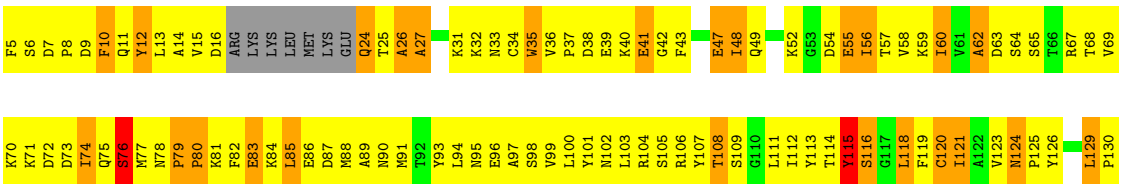


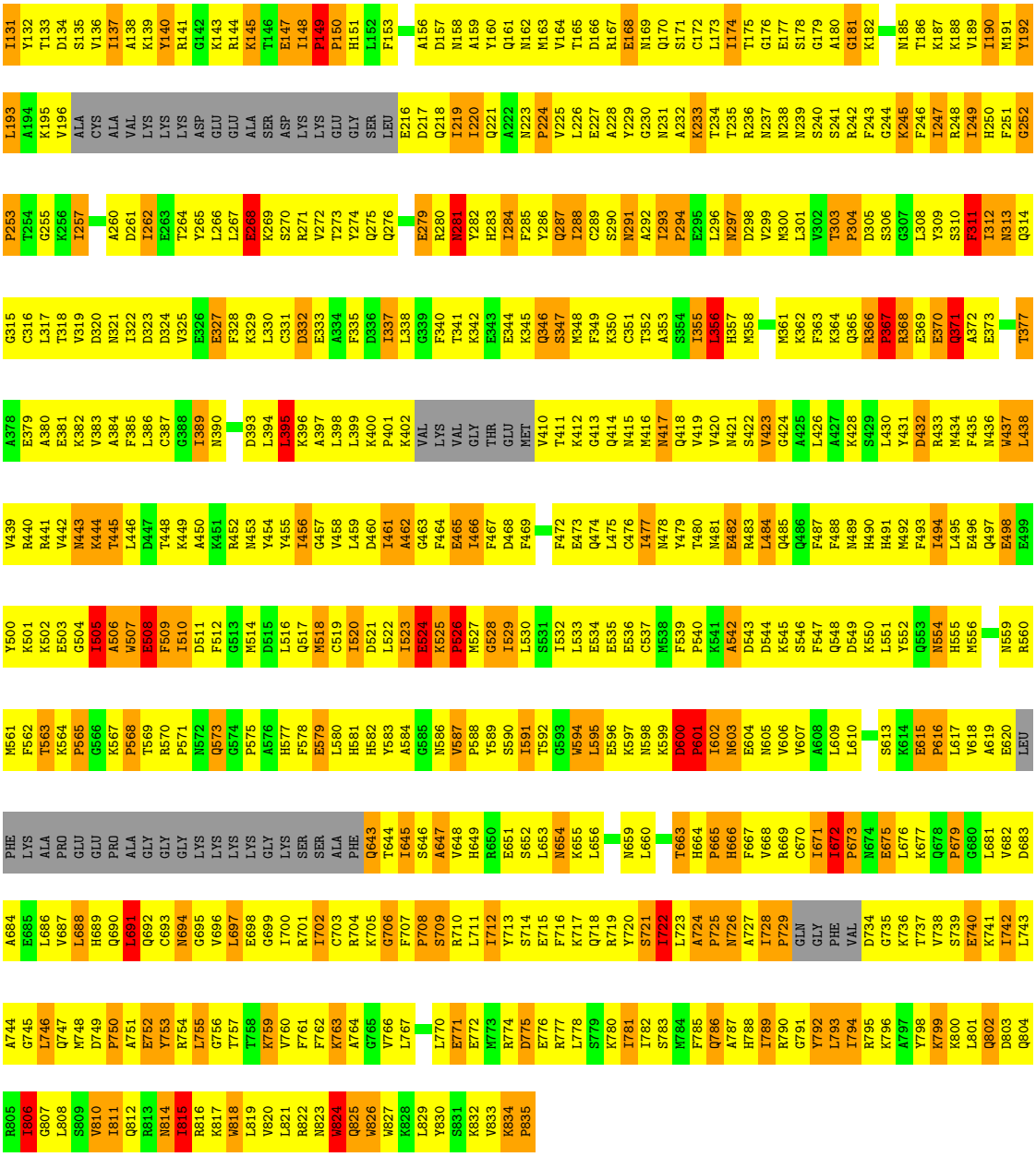


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 23-C:

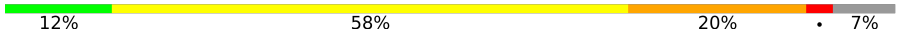


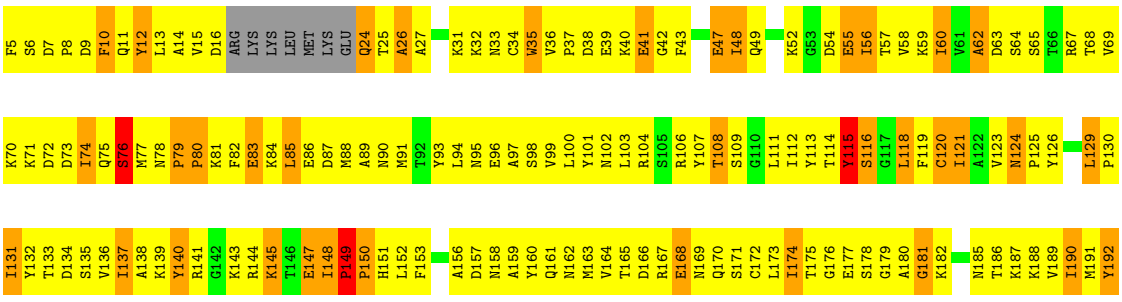


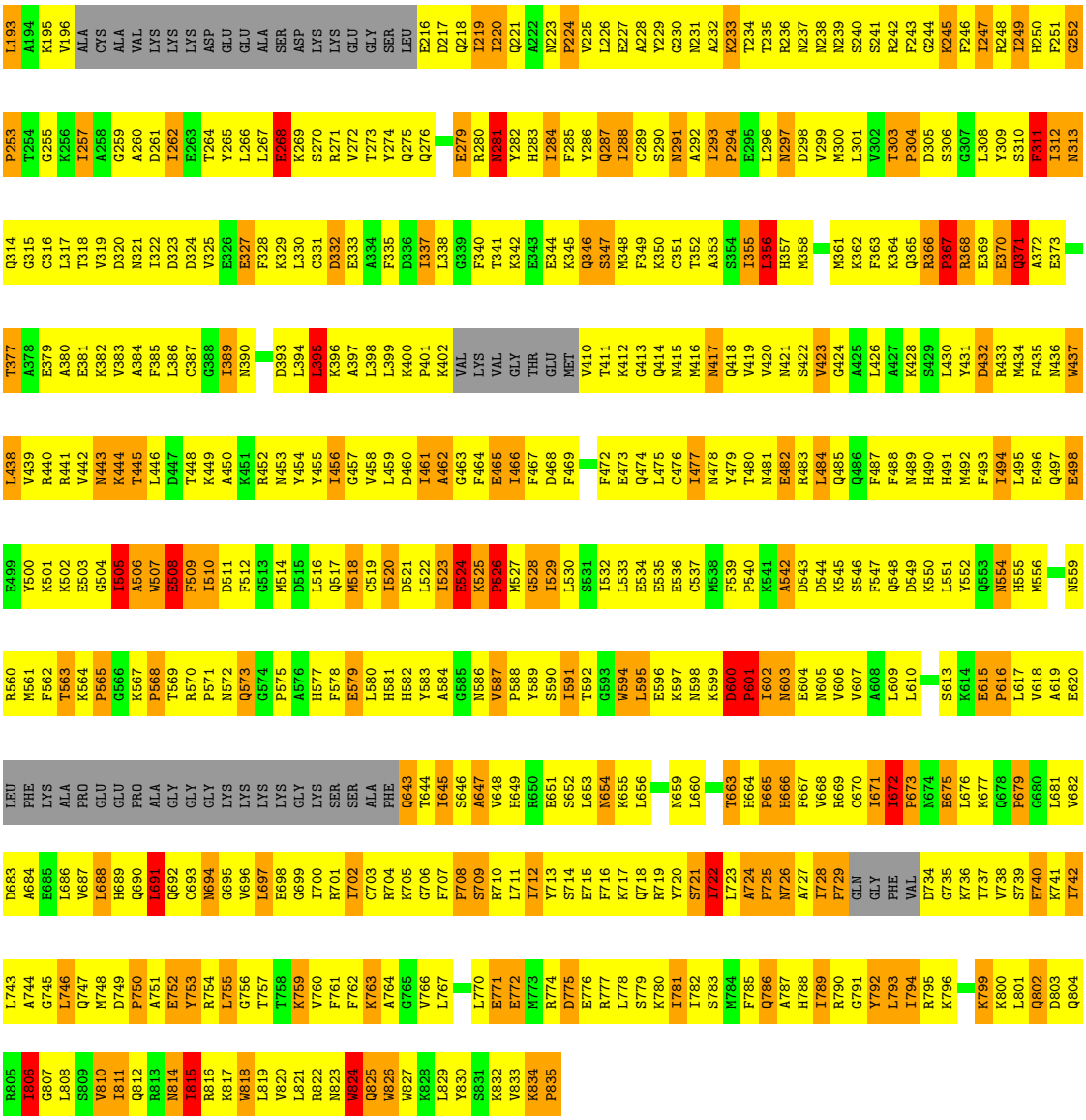


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 24-C:

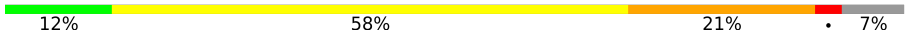


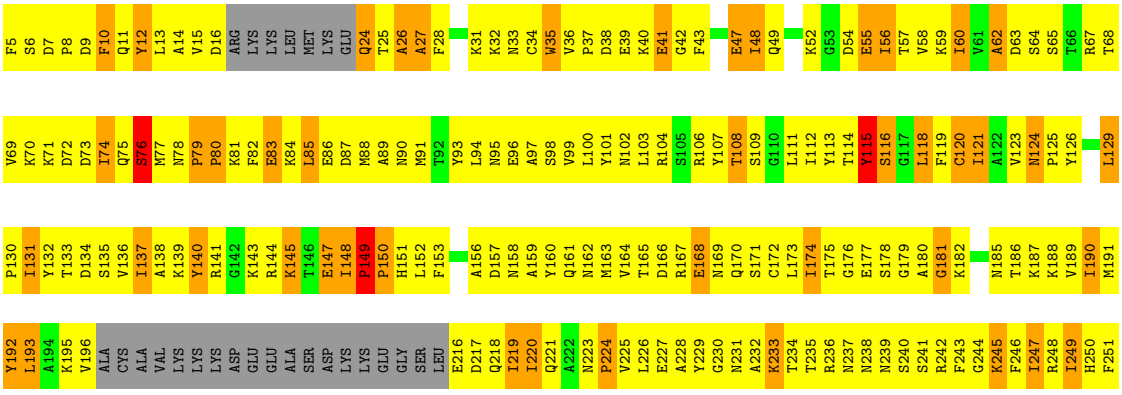


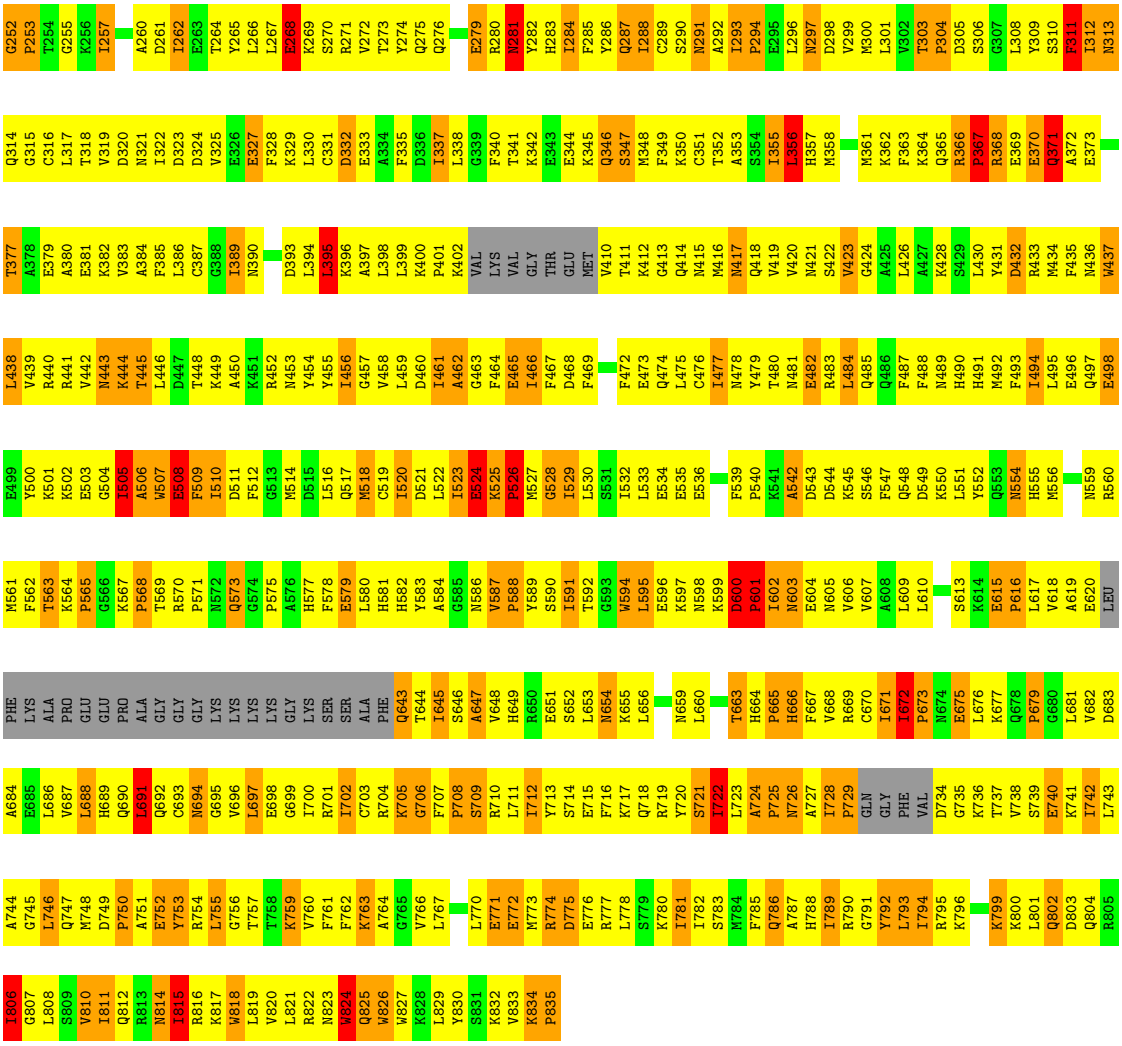


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 25-C:

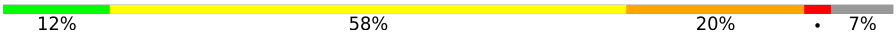


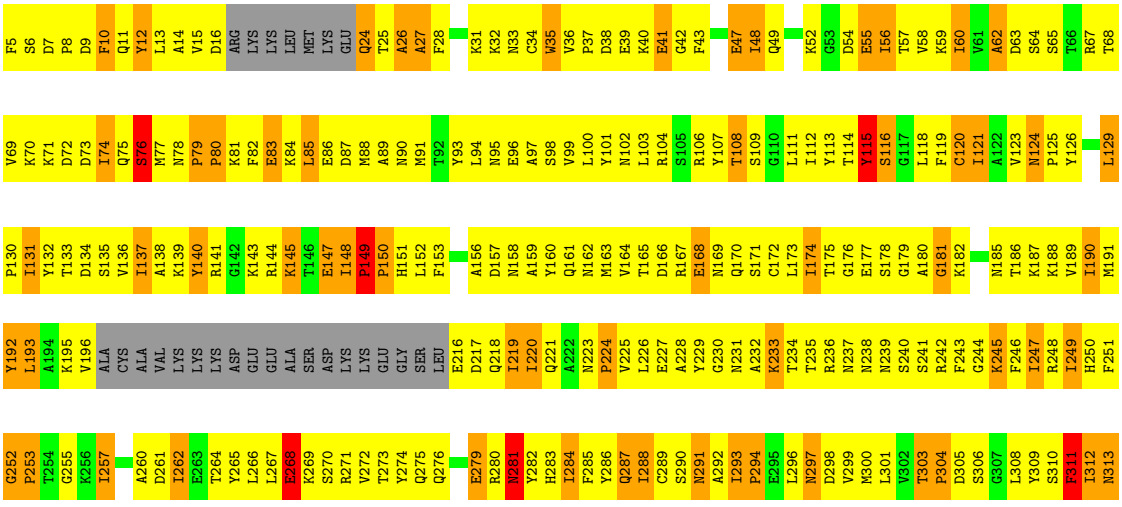


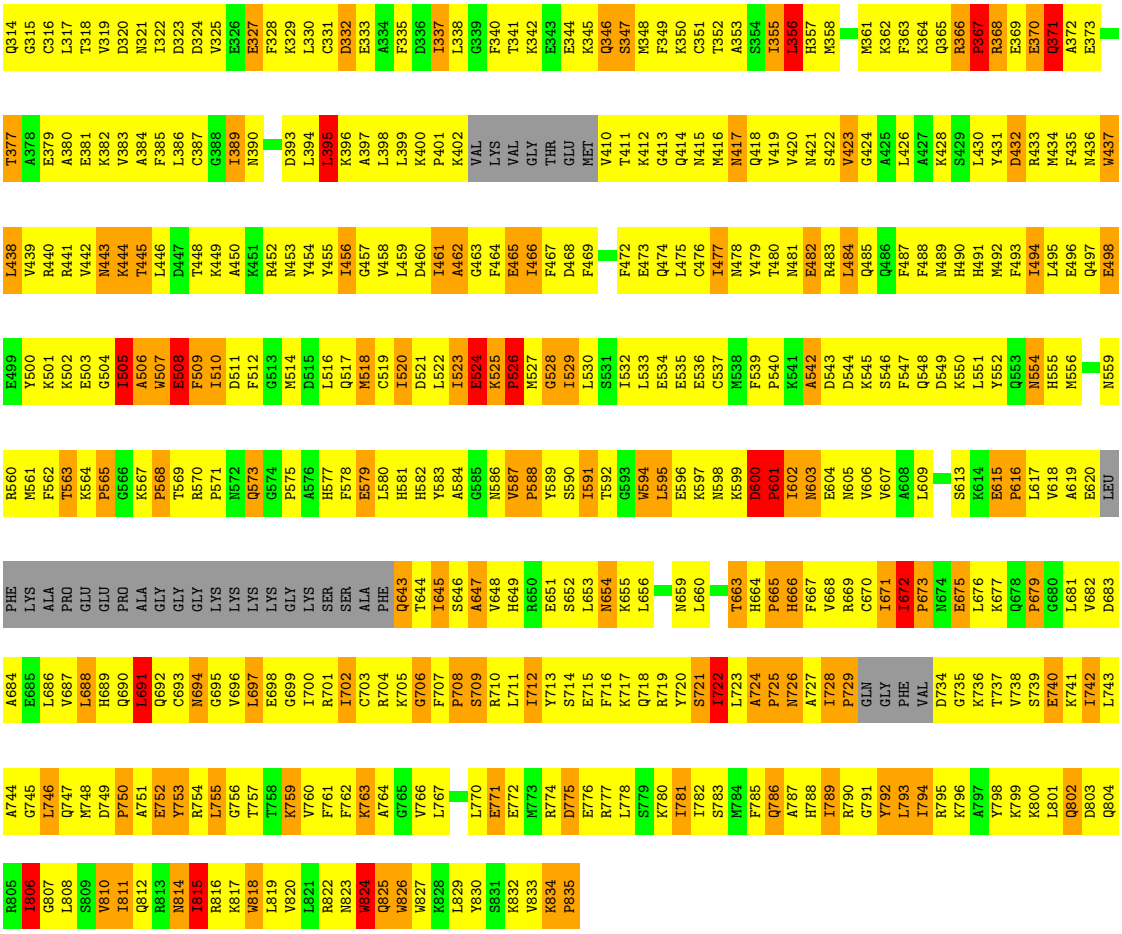


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 26-C:

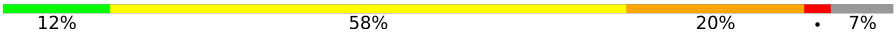


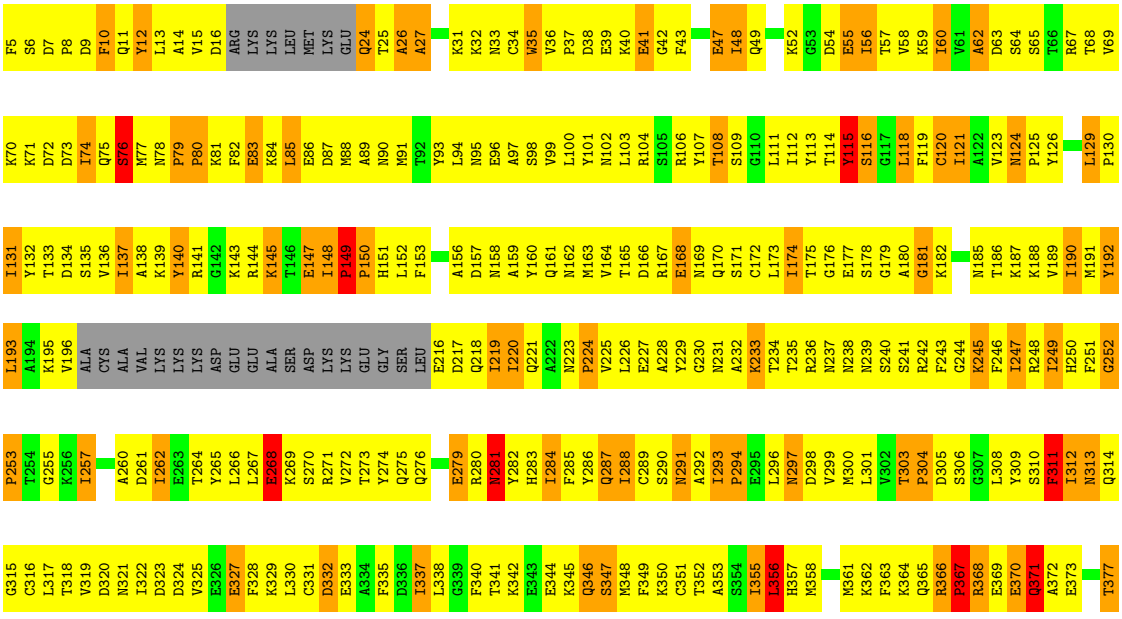


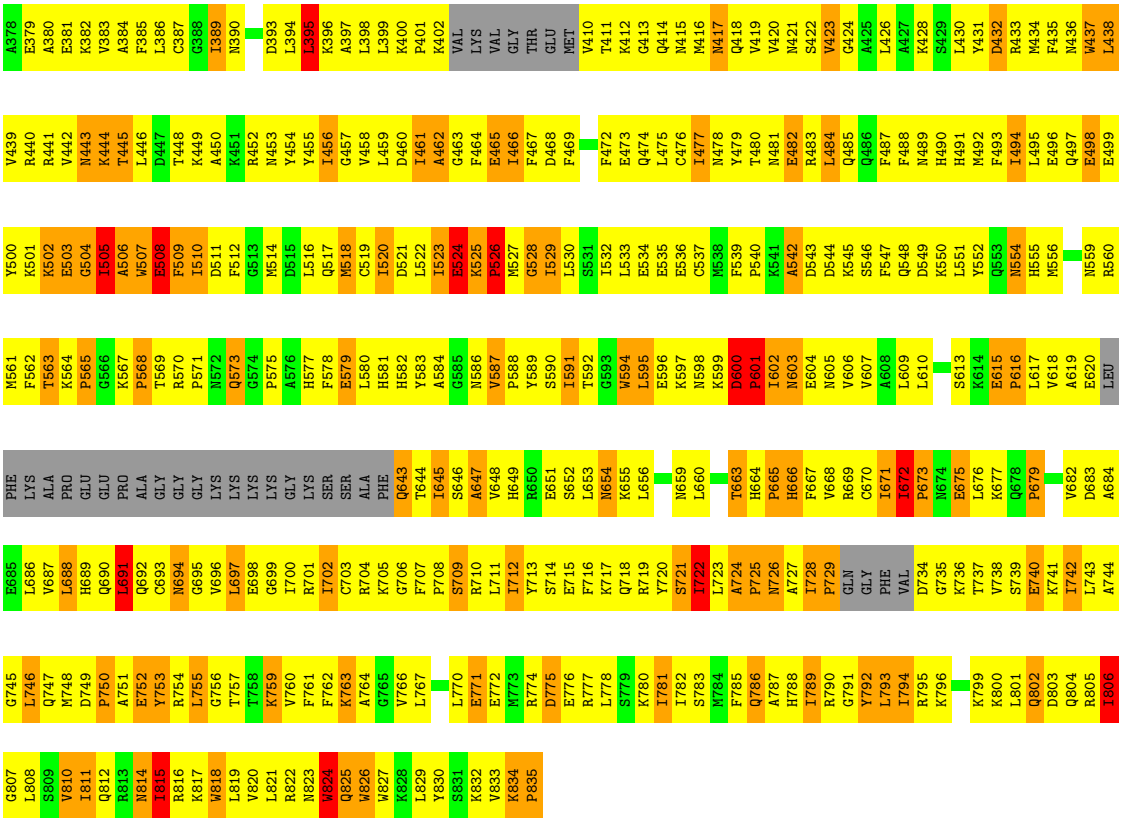


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 27-C:



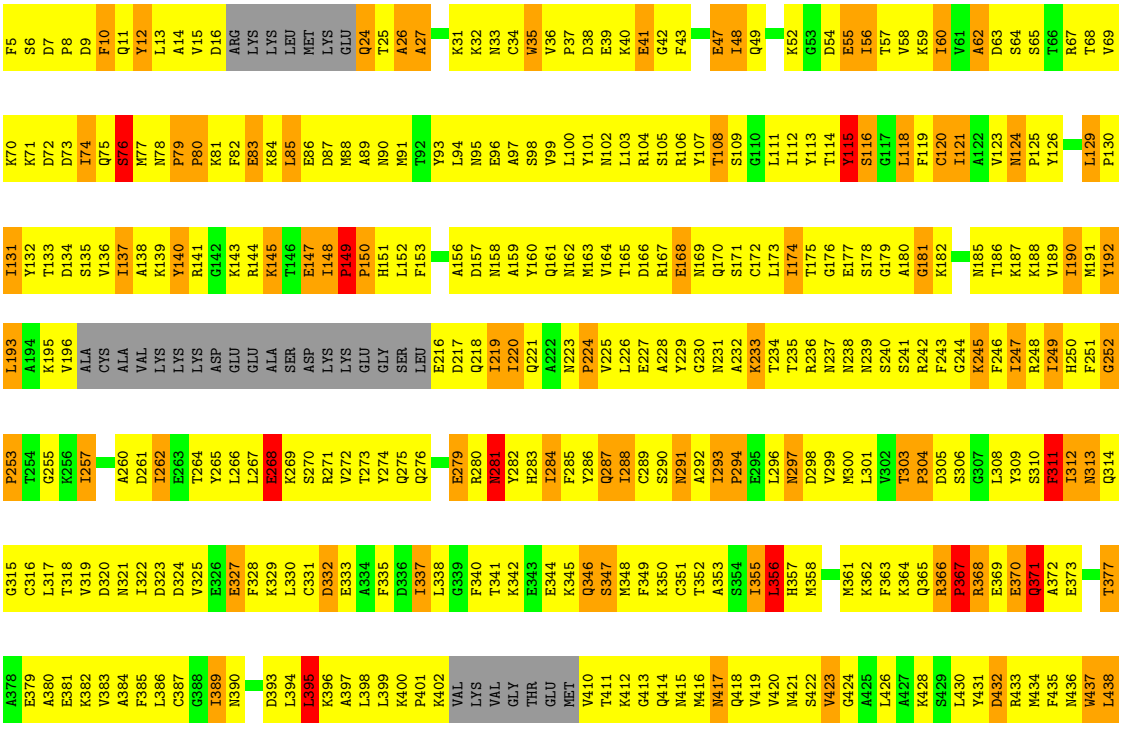


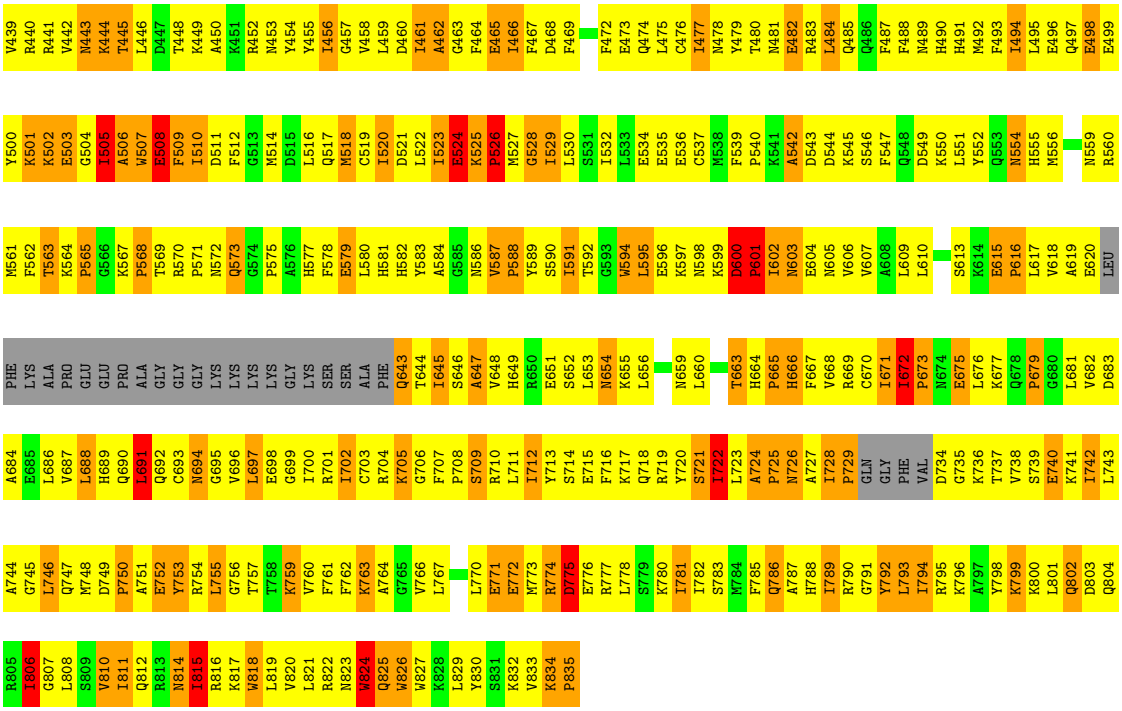


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 28-C:



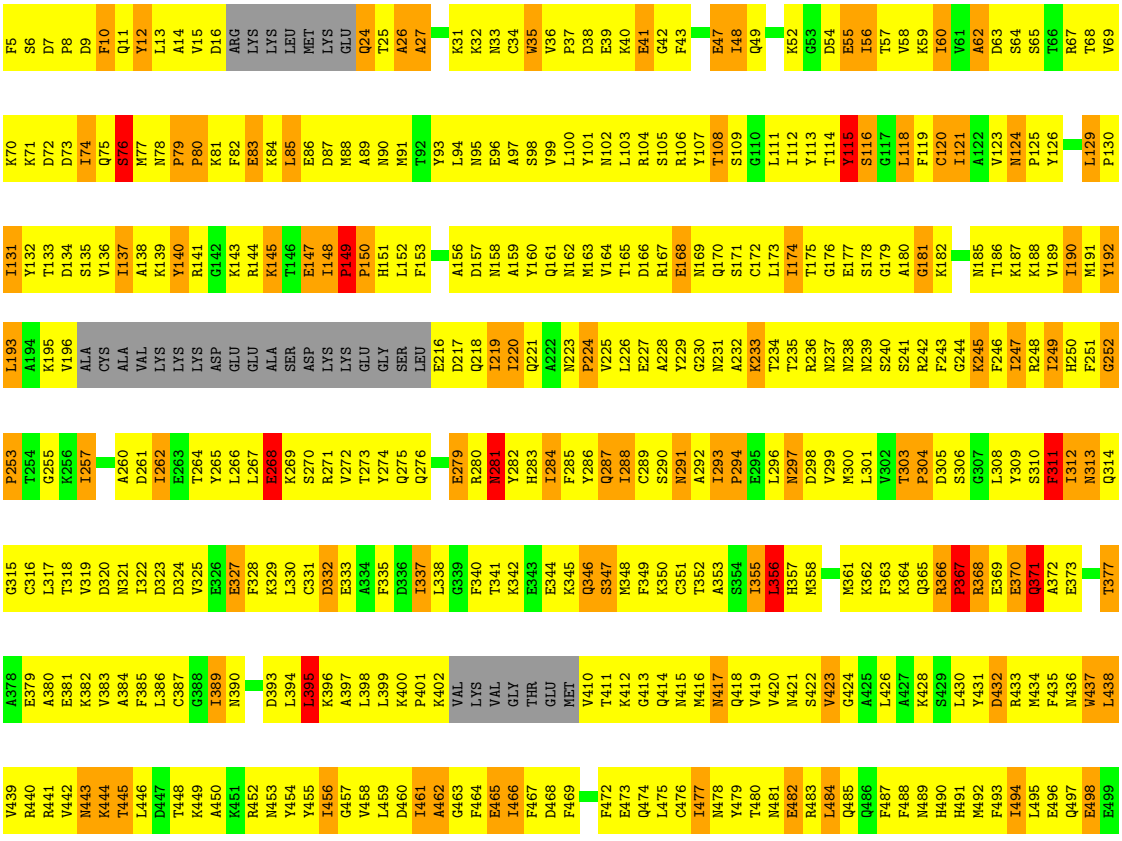


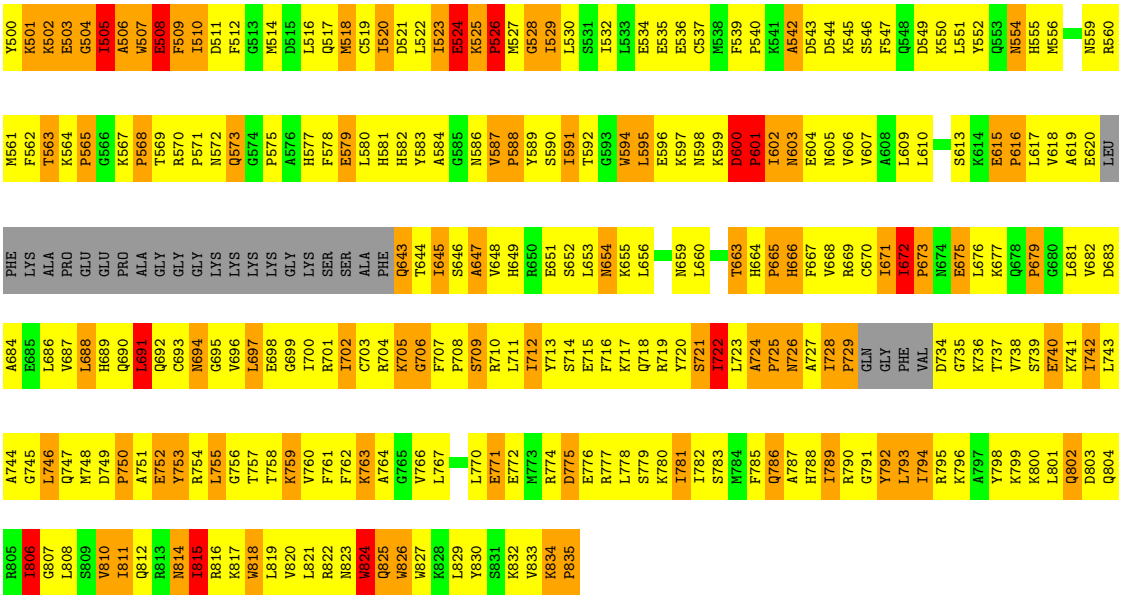


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 29-C:

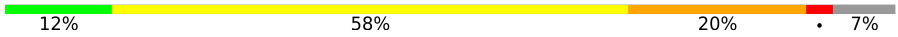


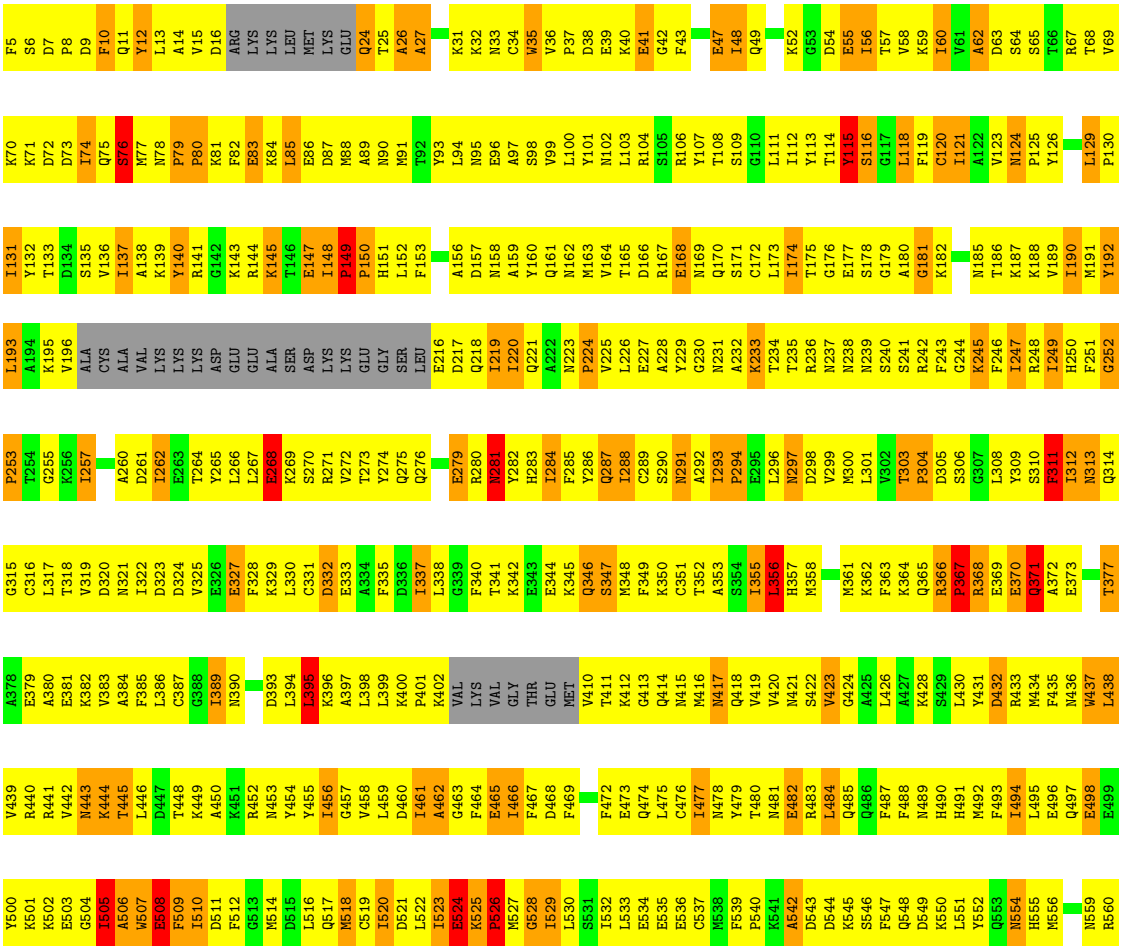


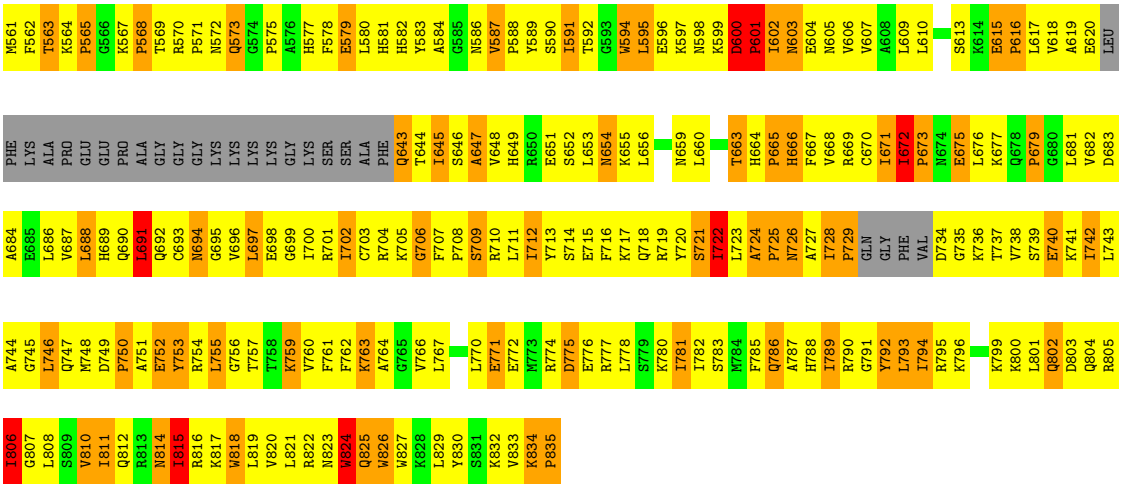


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 30-C:



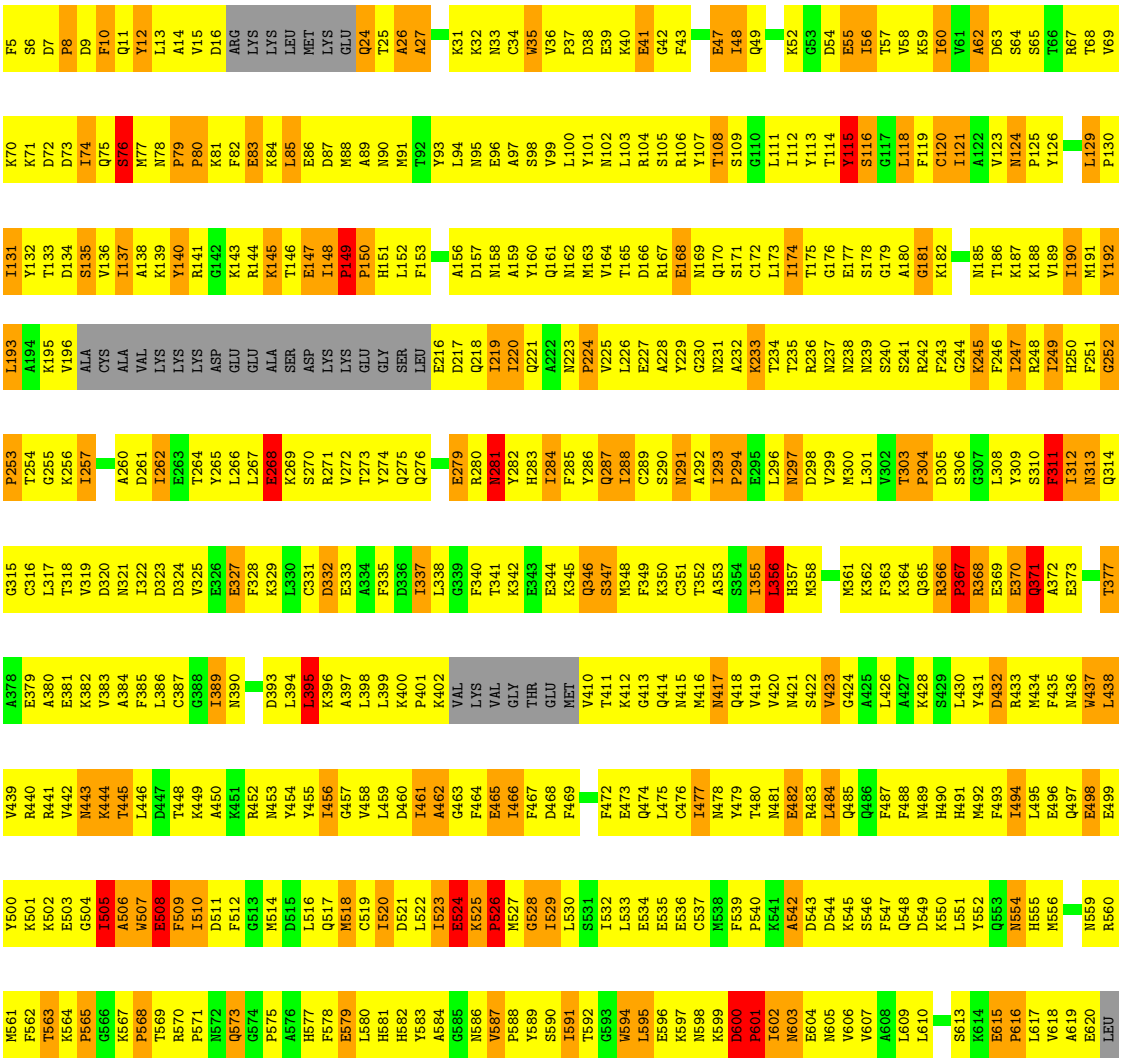


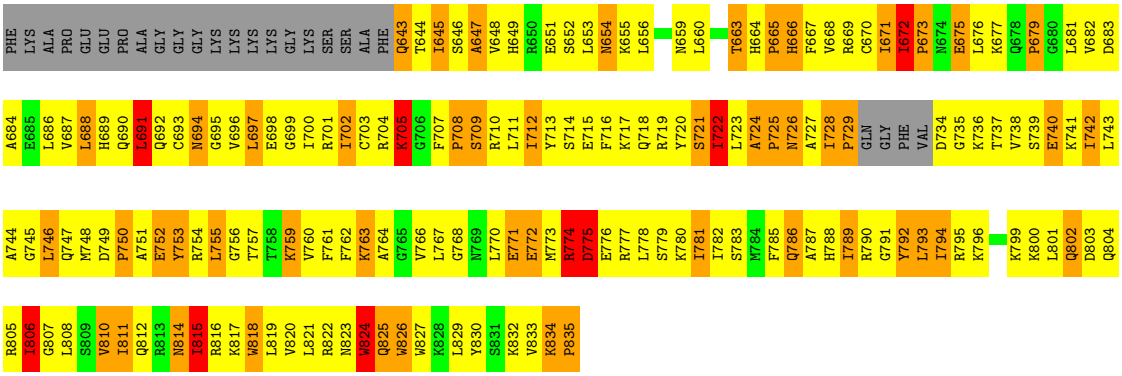


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 31-C:



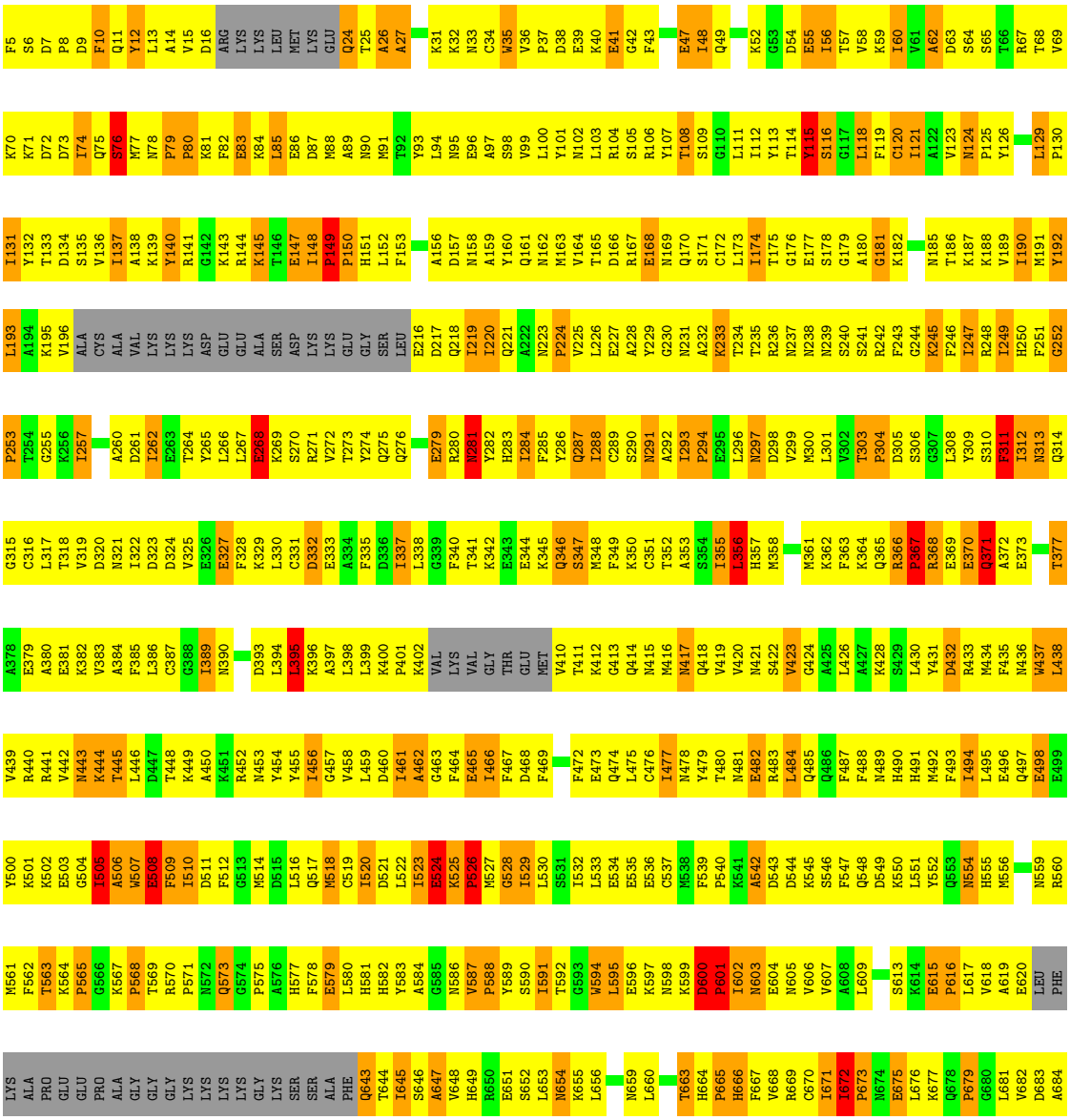


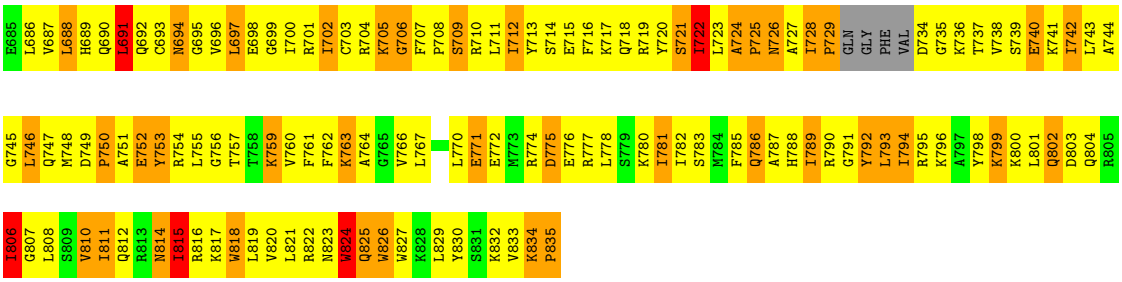


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 32-C:



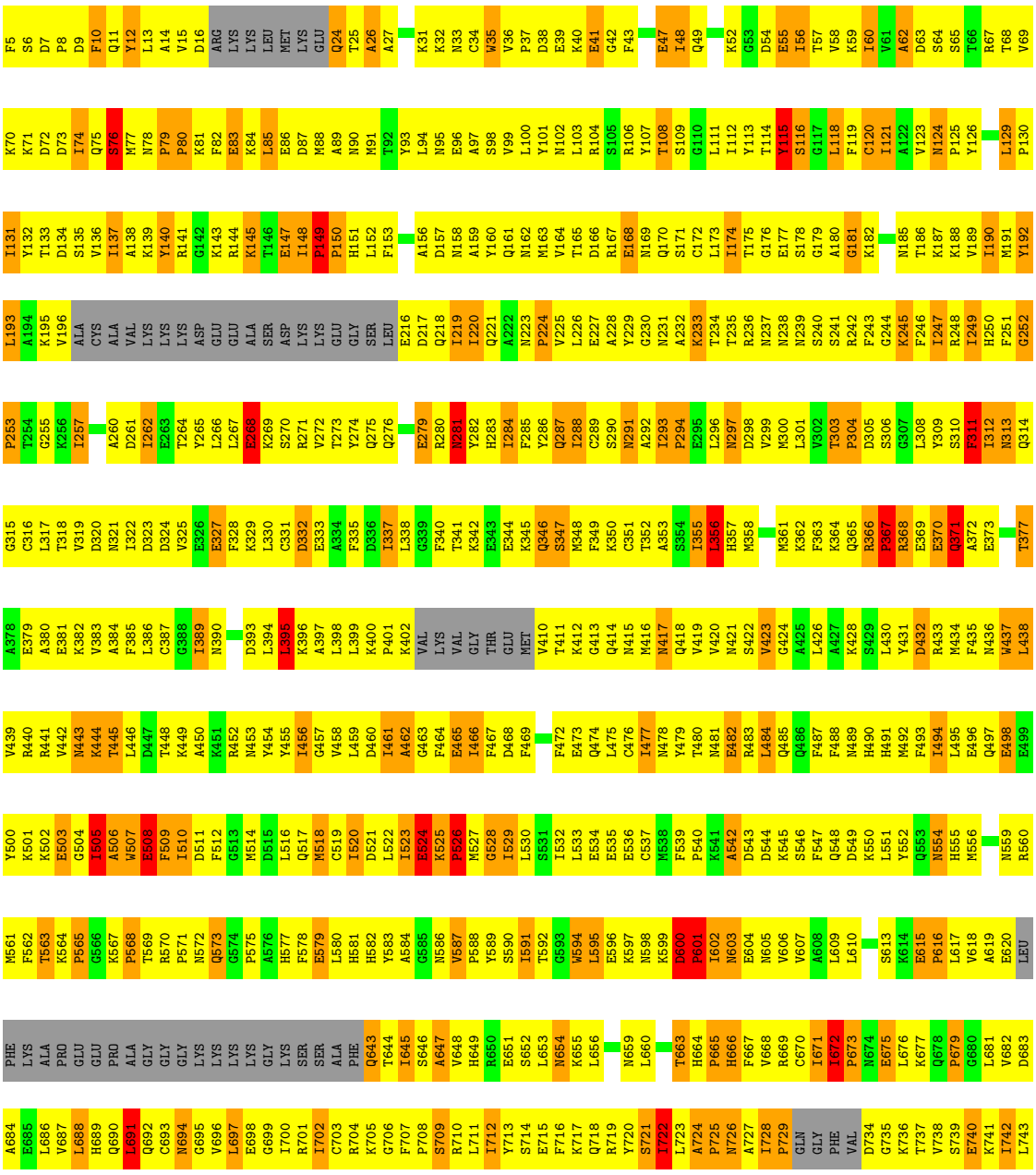


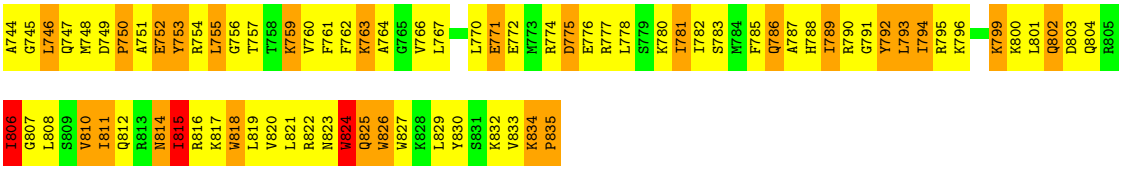


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 33-C:

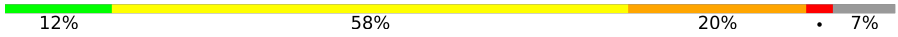


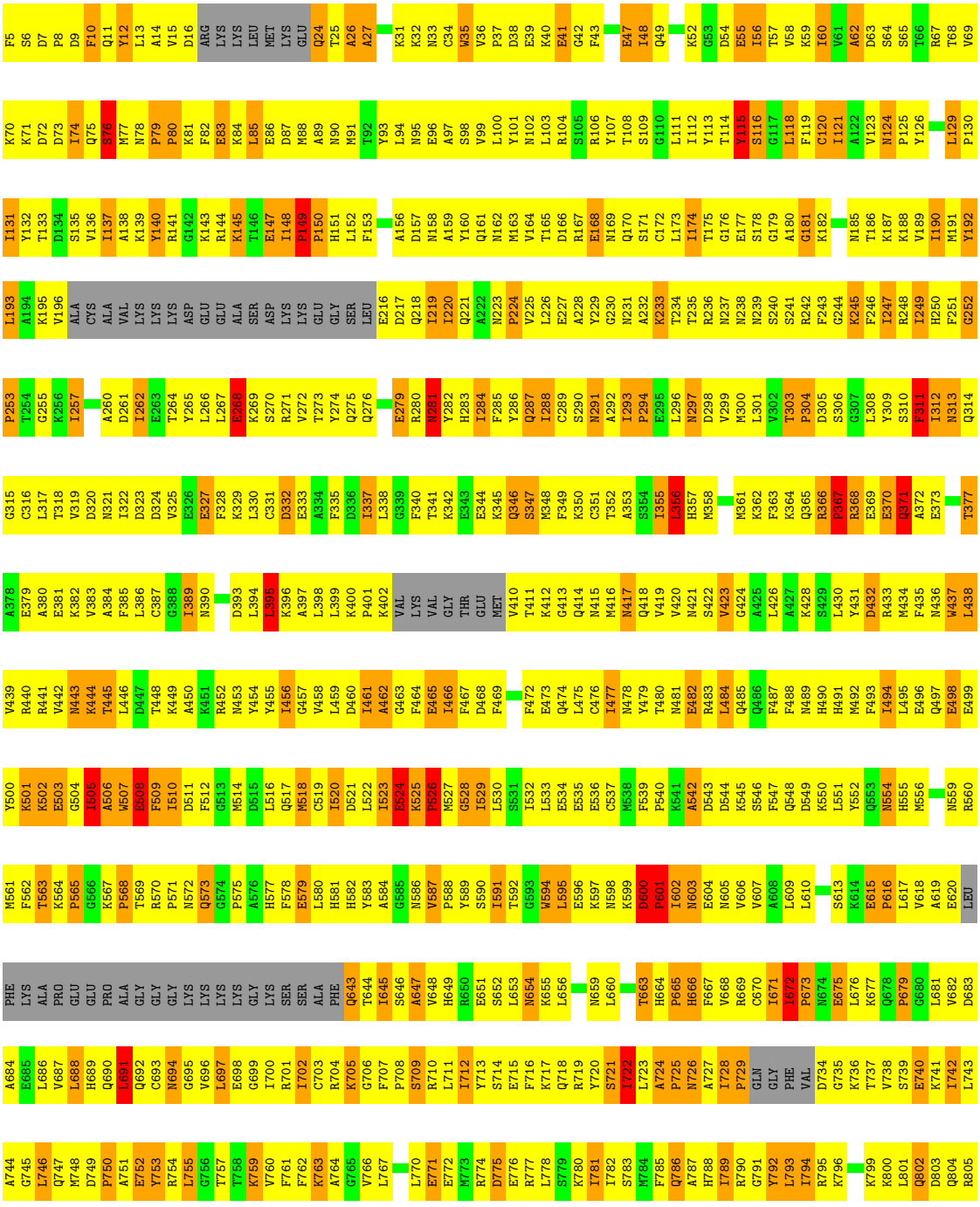


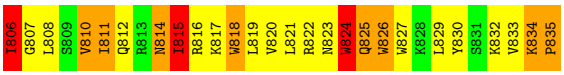


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 34-C:

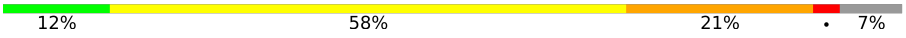


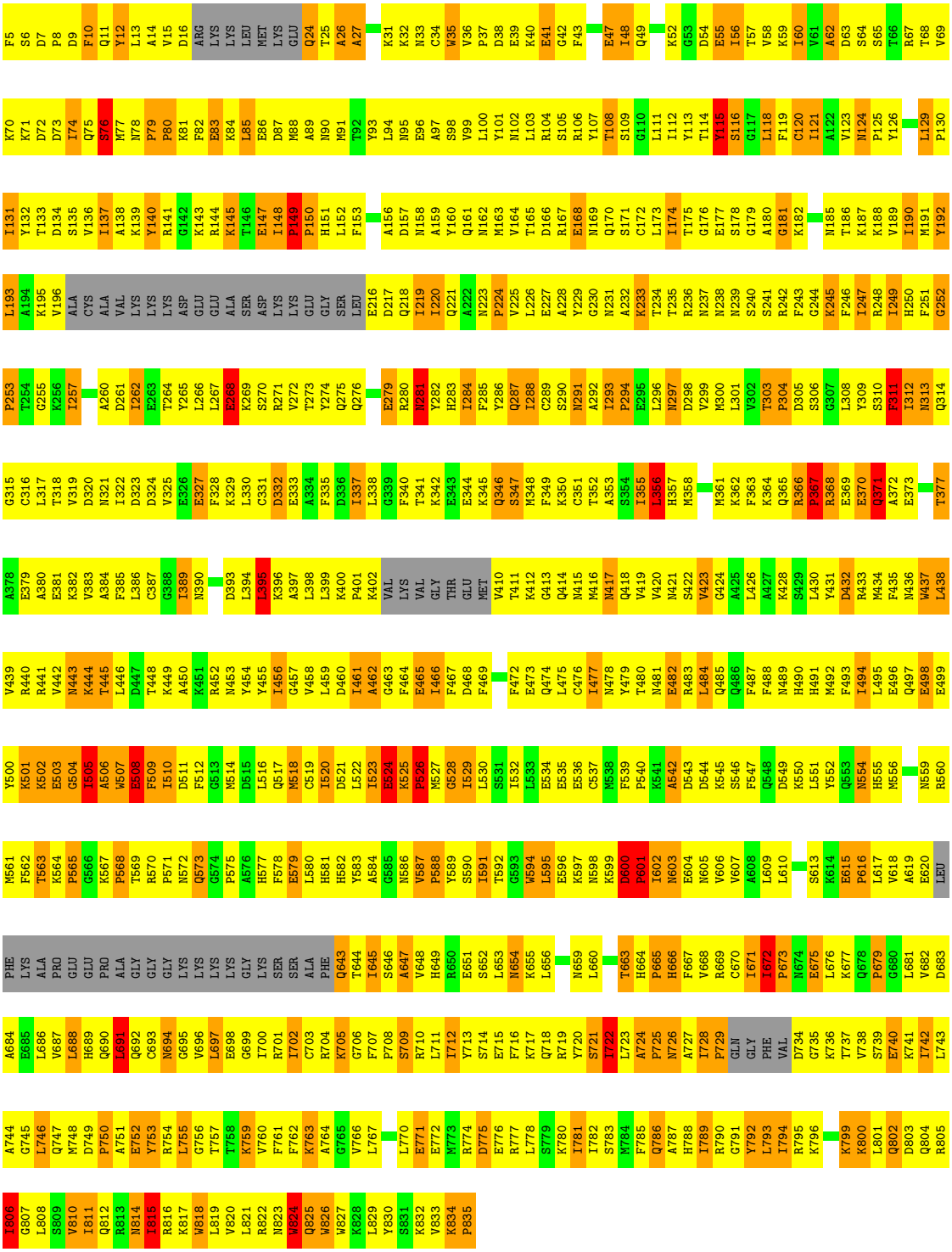




• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

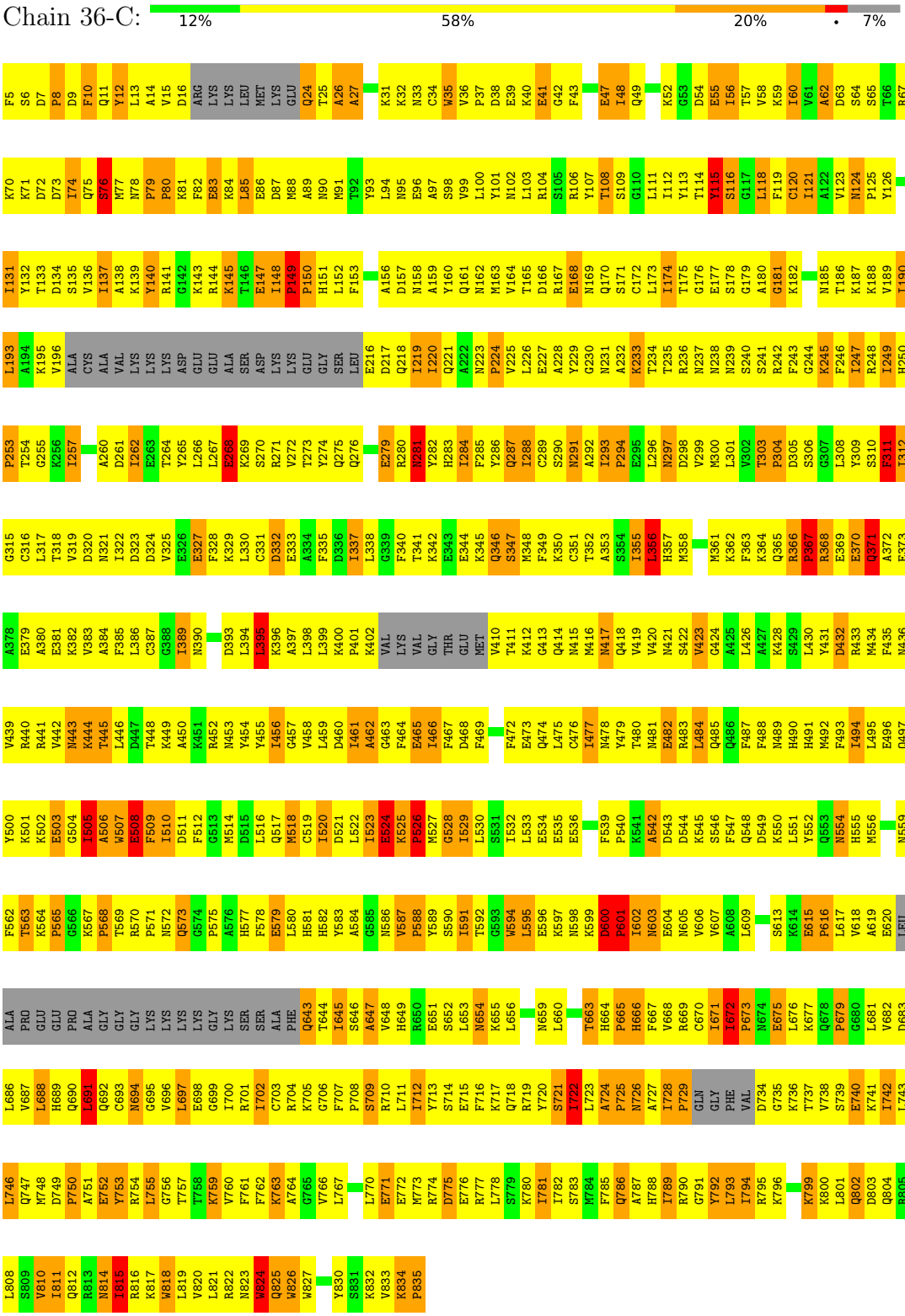
Chain 35-C:





• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

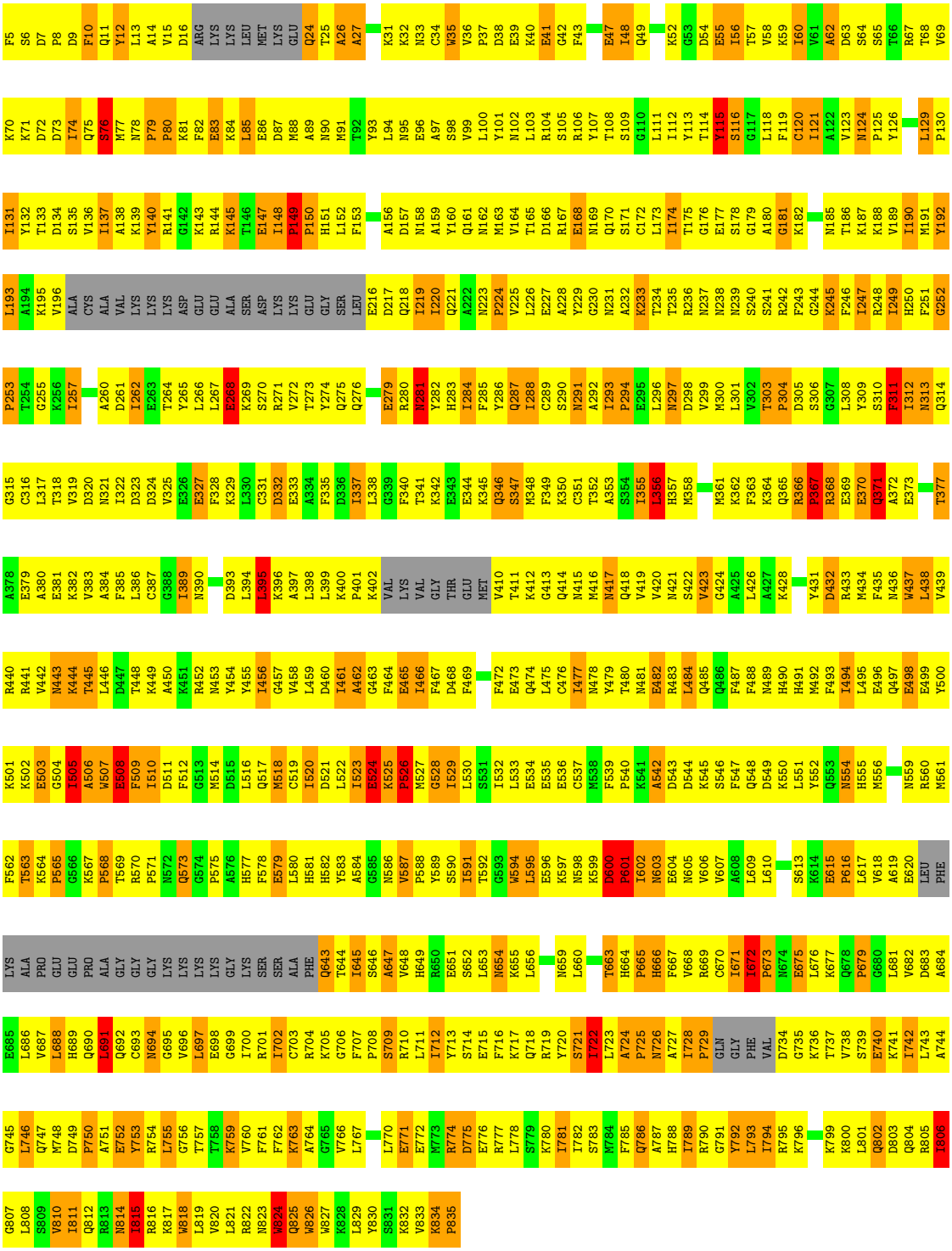
Chain 36-C:



• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 37-C:



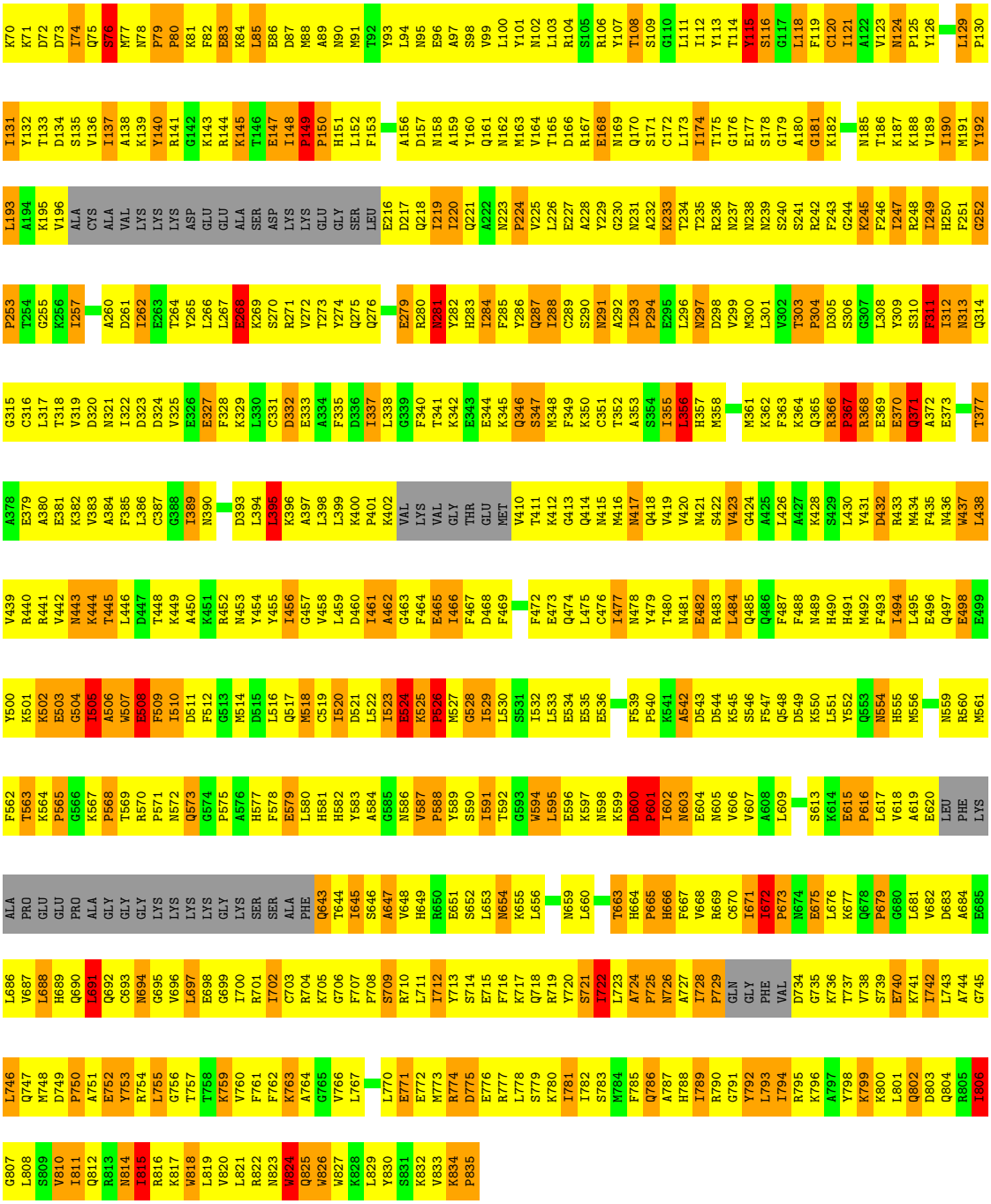


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 38-C:





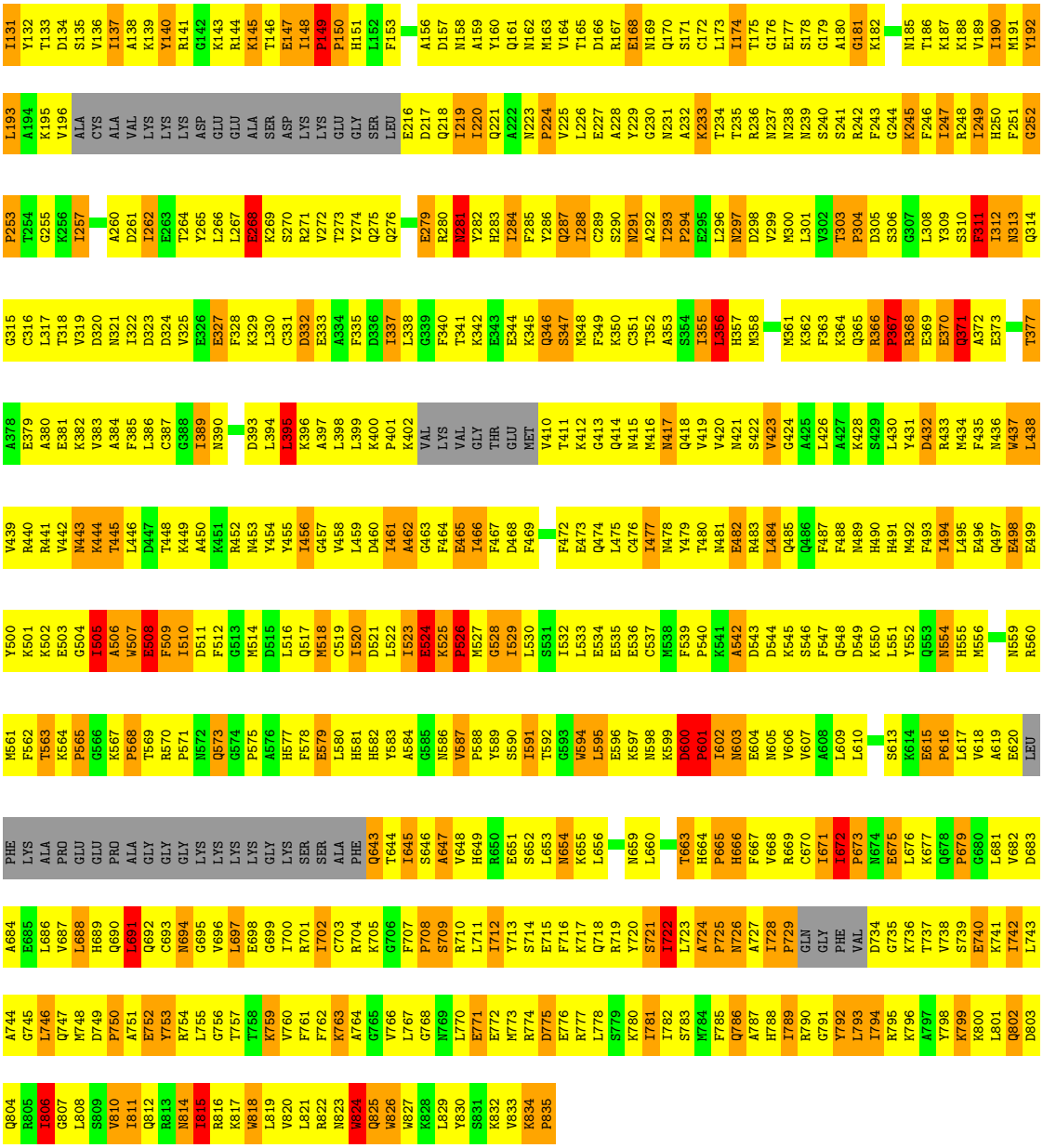


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 39-C:



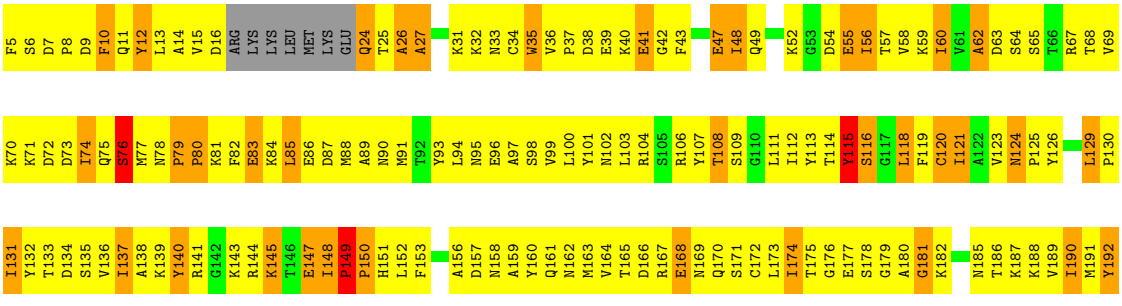


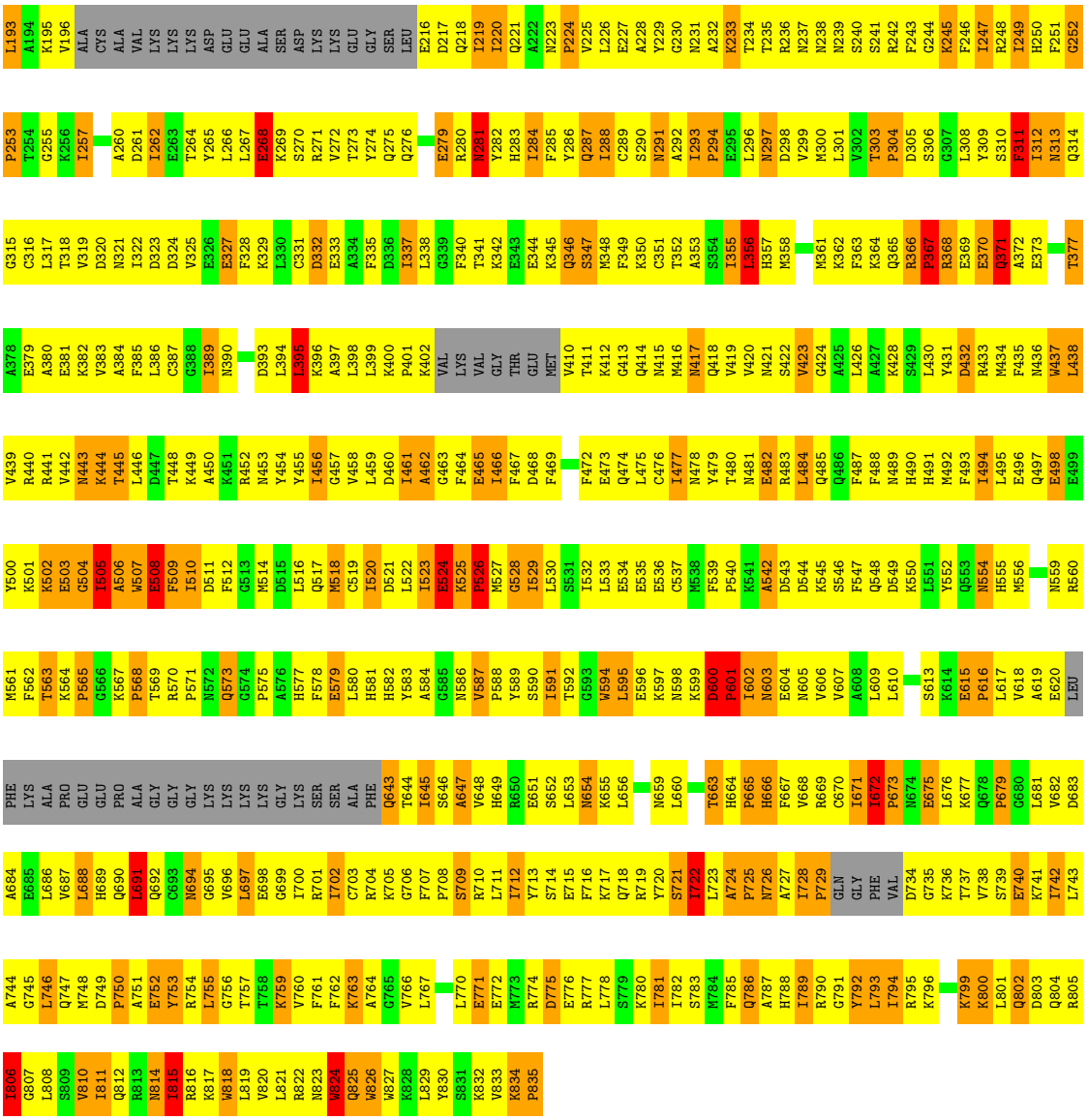


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 40-C:

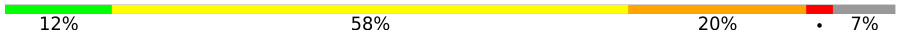


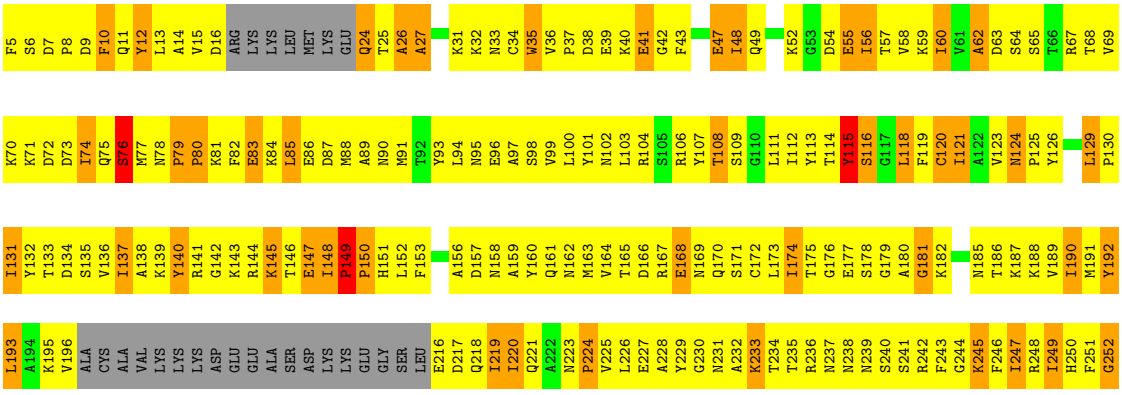


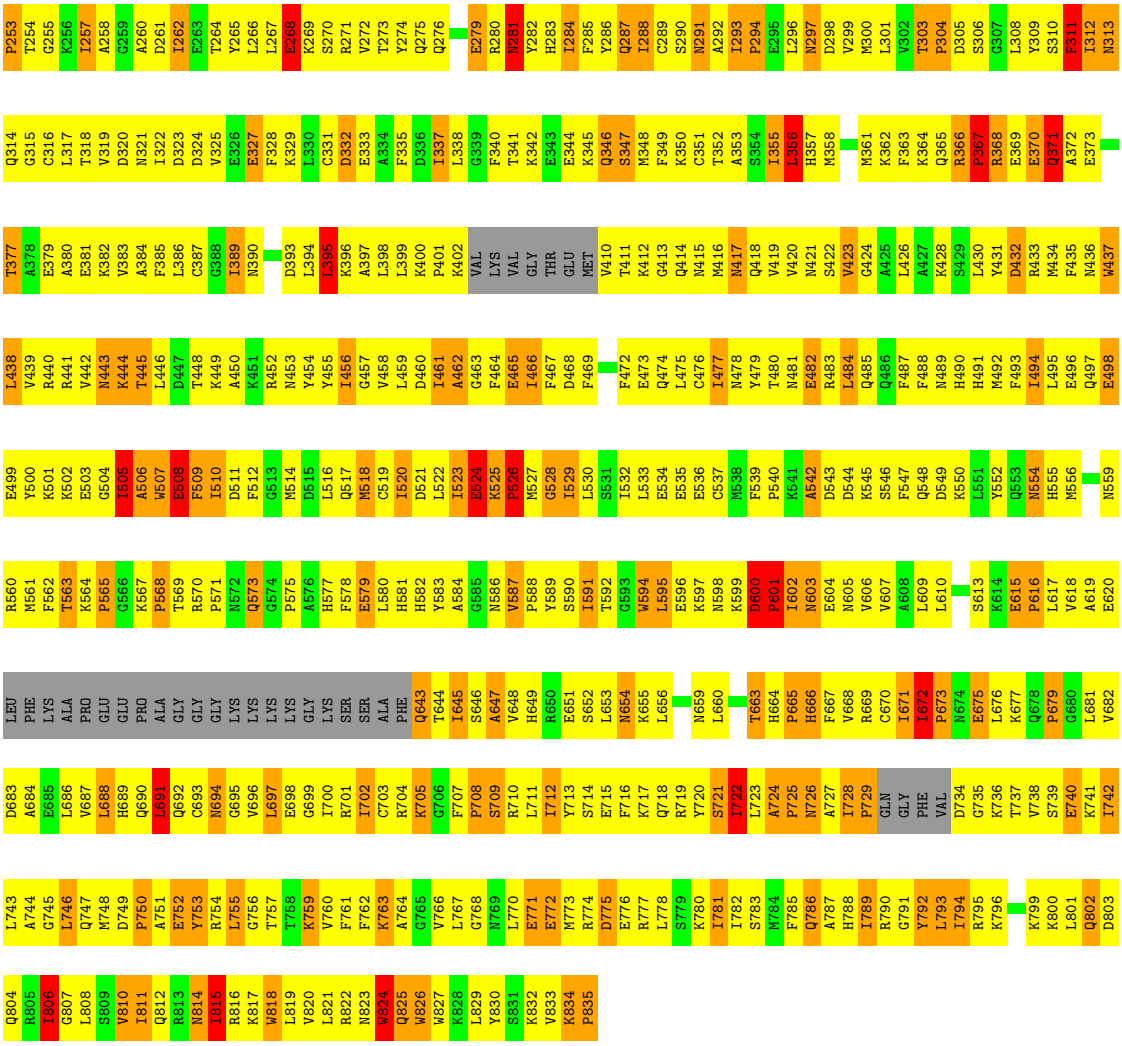


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 41-C:

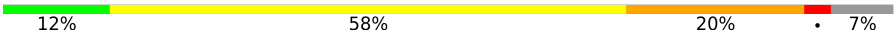


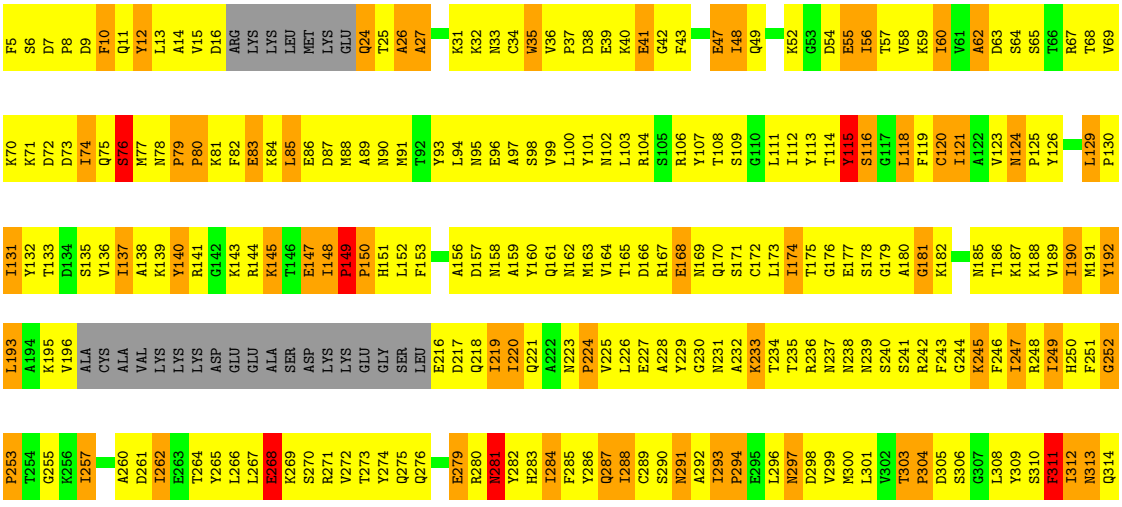


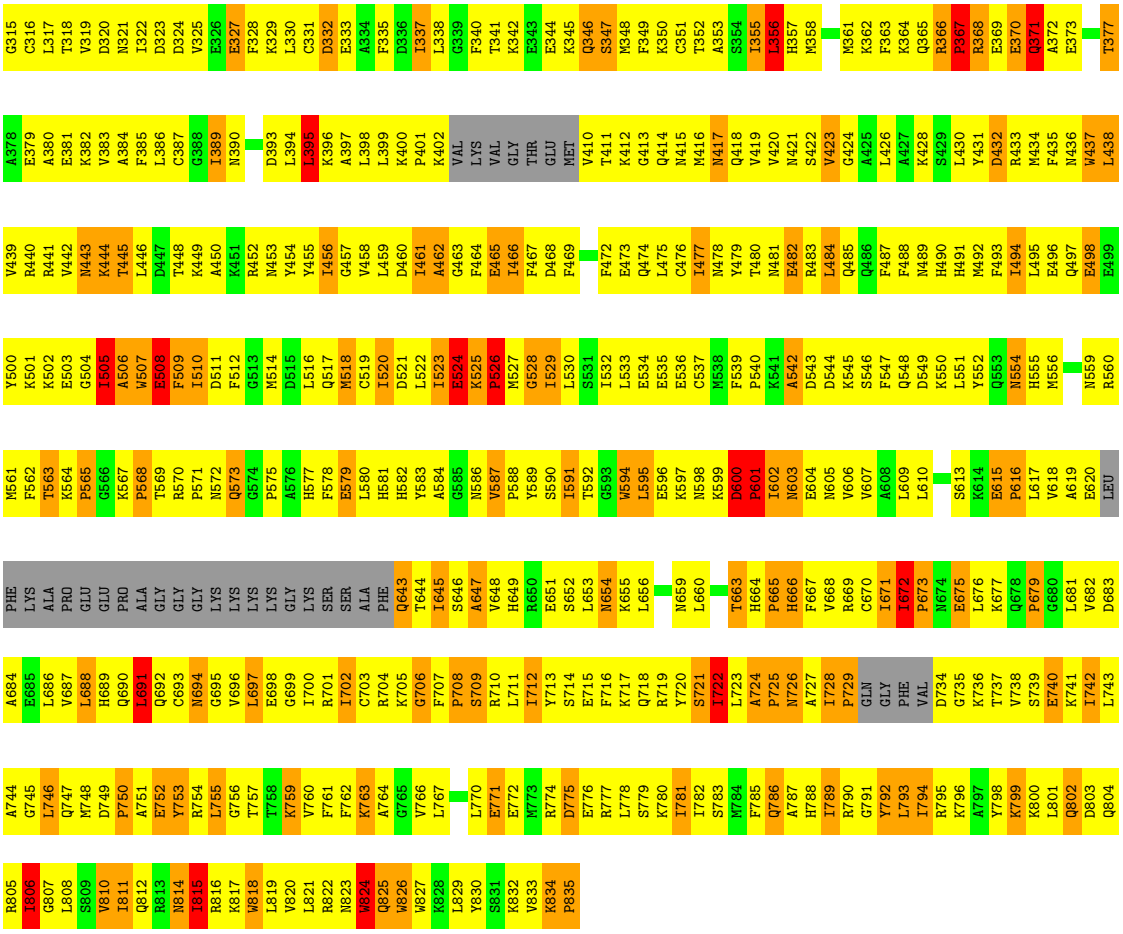


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 42-C:



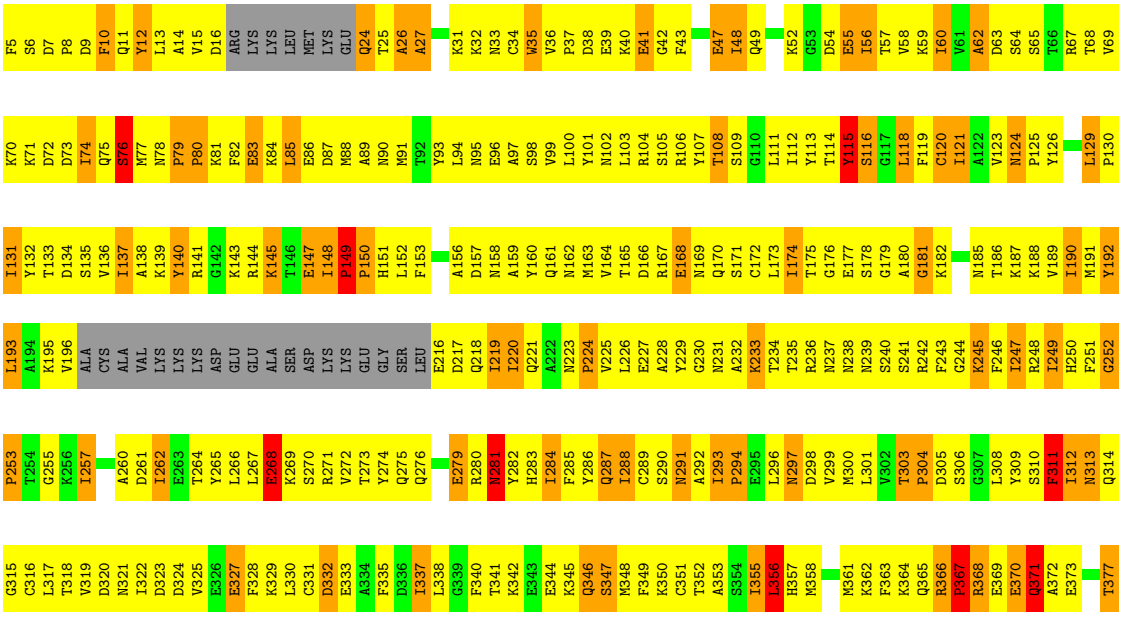


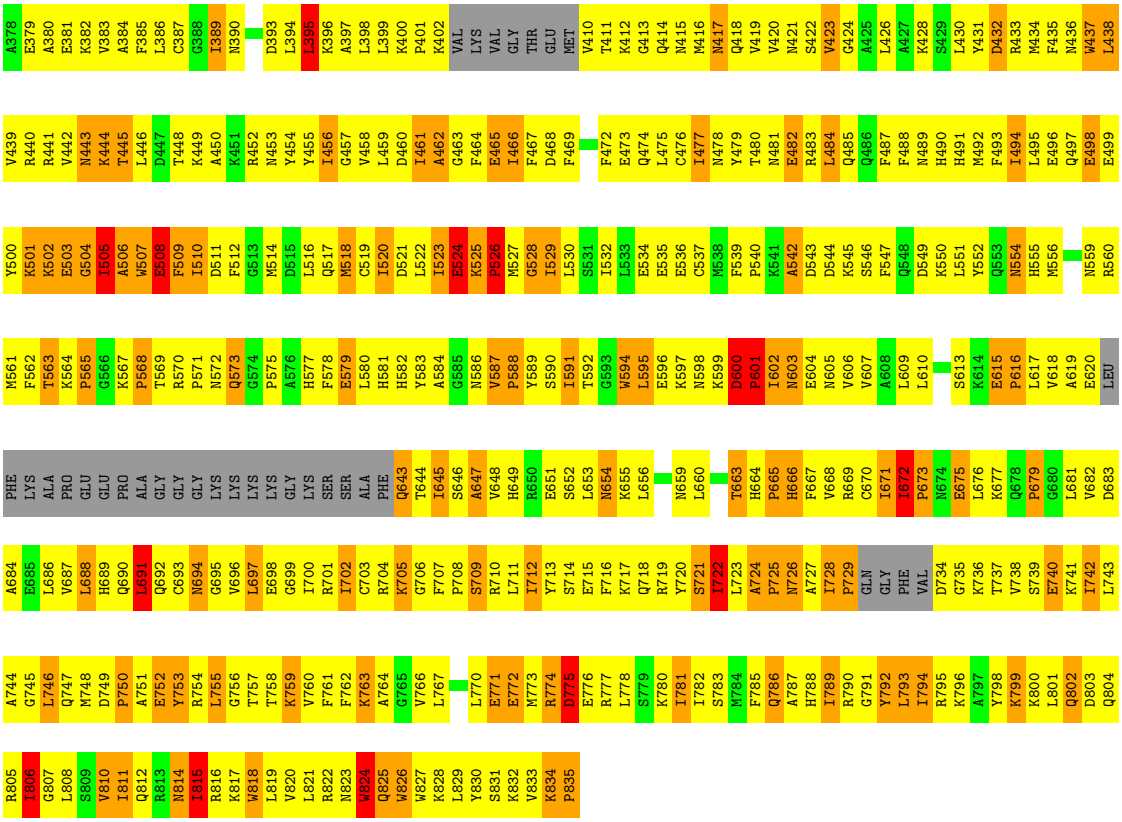


• Molecule 1: MYOSIN HEAVY CHAIN, STRIATED MUSCLE

Chain 43-C:

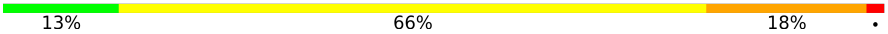


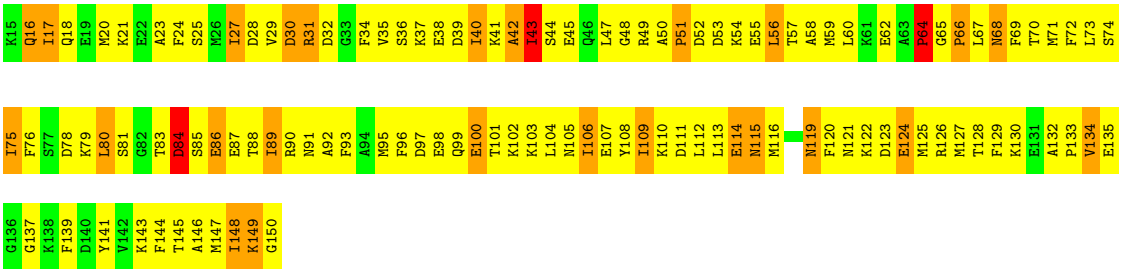




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 1-Y:

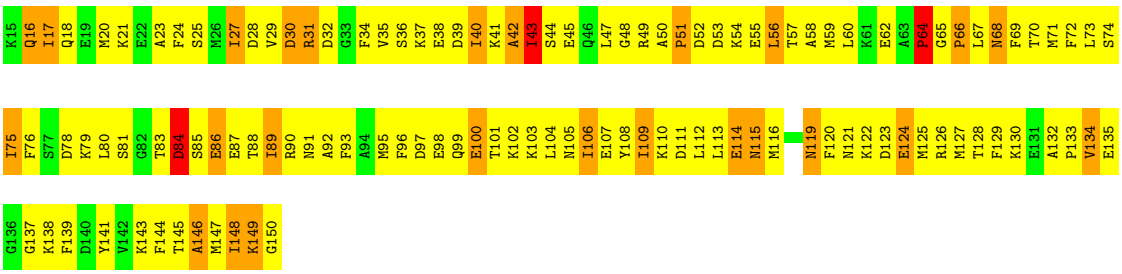




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

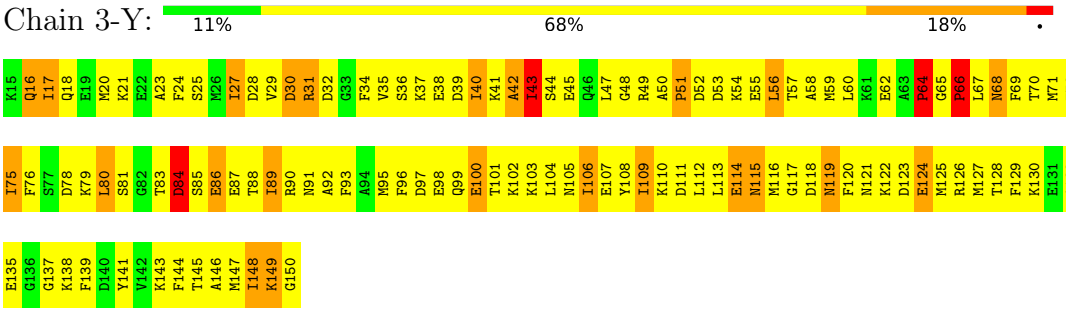
Chain 2-Y:





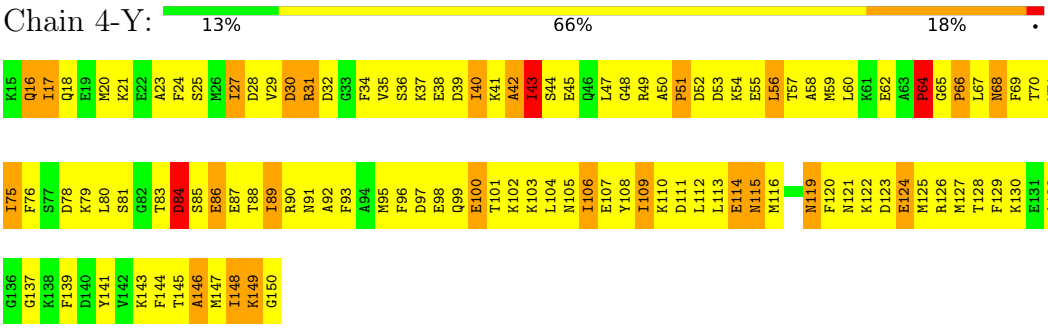
• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 3-Y:



• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 4-Y:



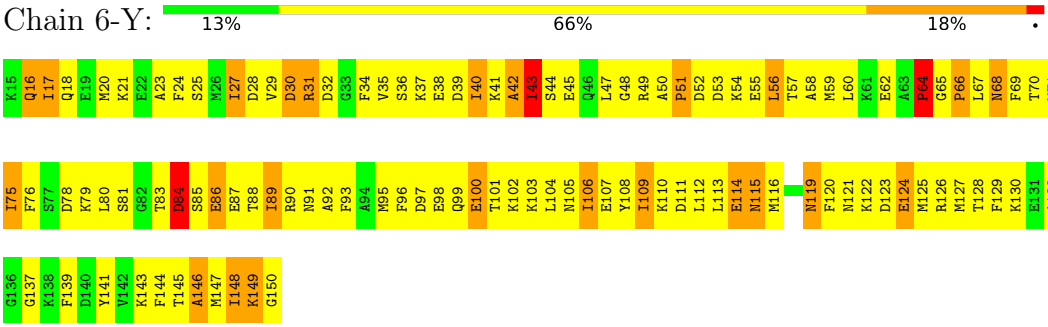
• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 5-Y:



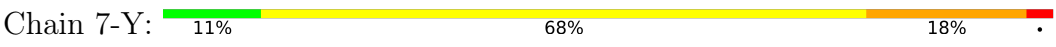
• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

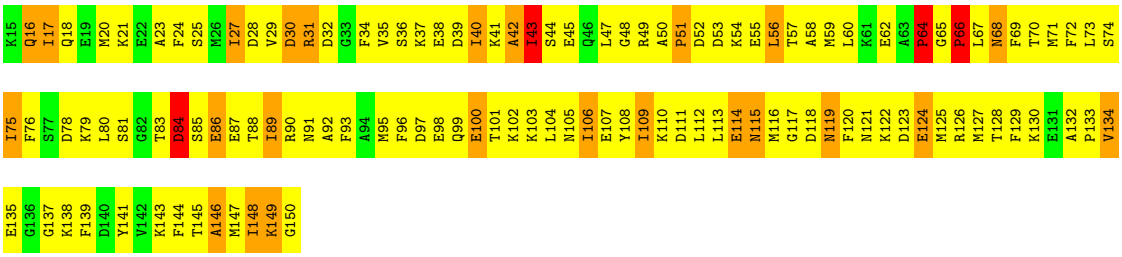
Chain 6-Y:



• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 7-Y:

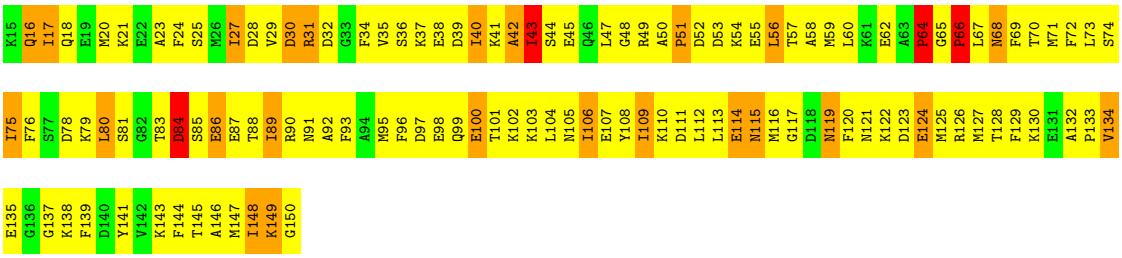




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

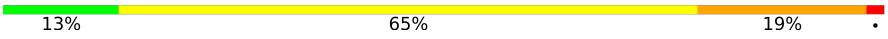
Chain 8-Y:

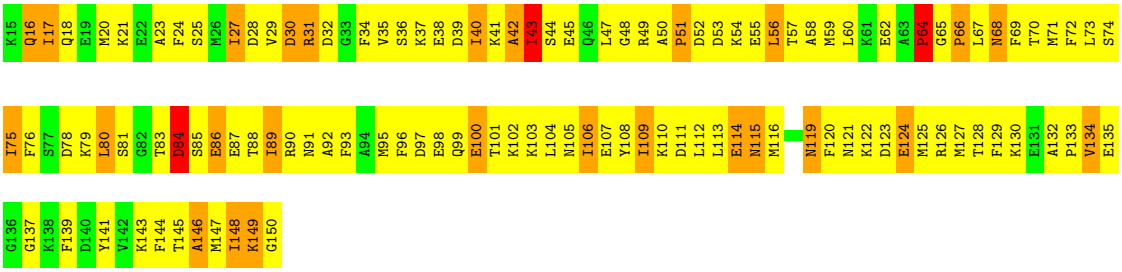




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 9-Y:

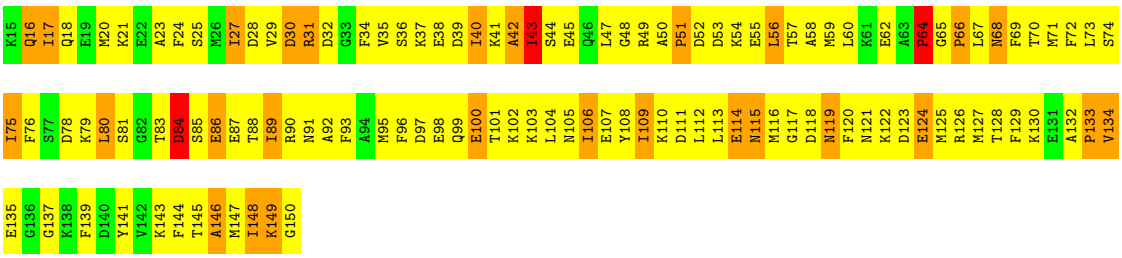




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 10-Y:

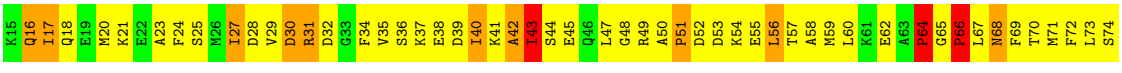


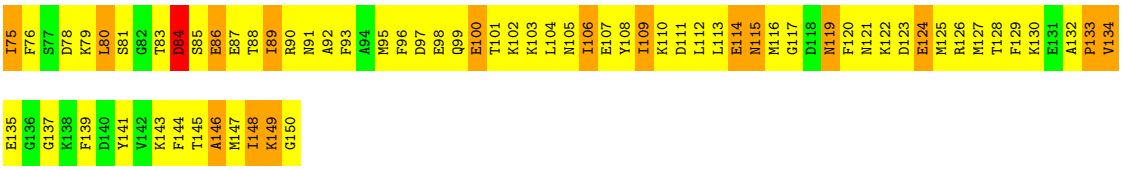


• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 11-Y:

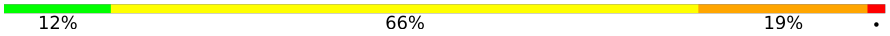


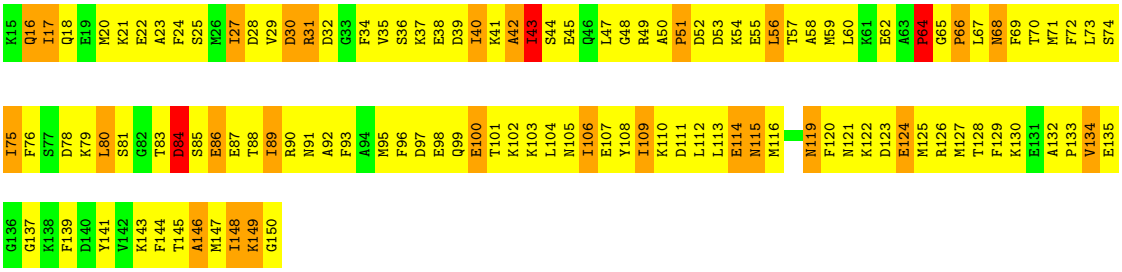




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

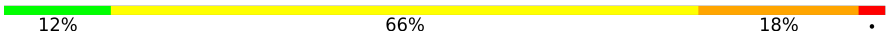
Chain 12-Y:

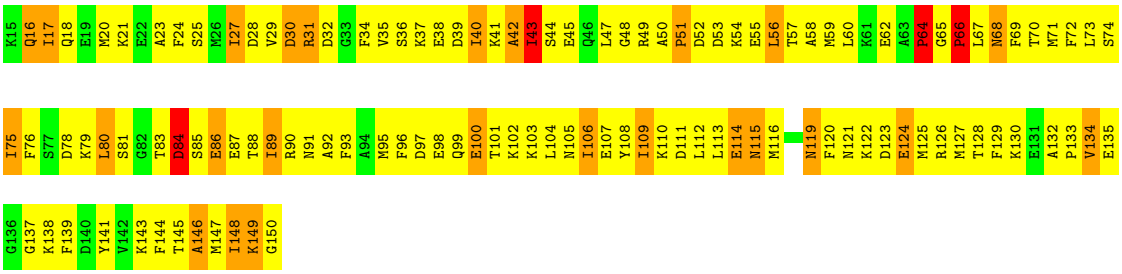




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 13-Y:

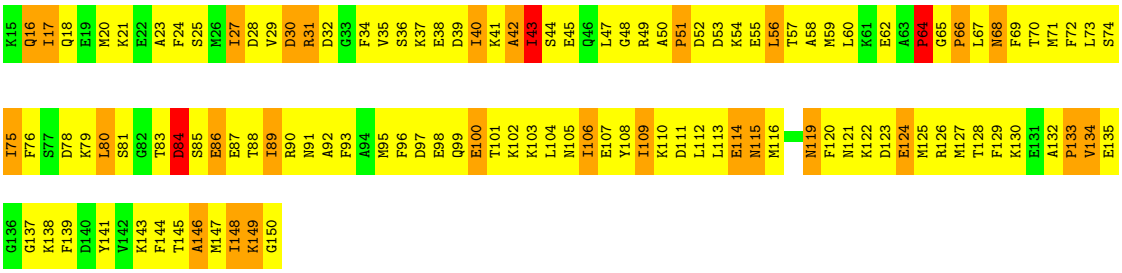




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 14-Y:

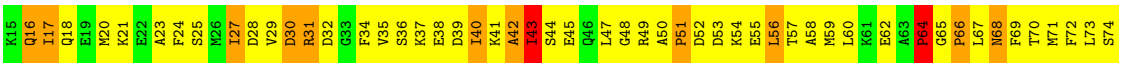




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 15-Y:

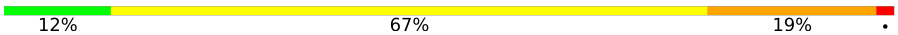


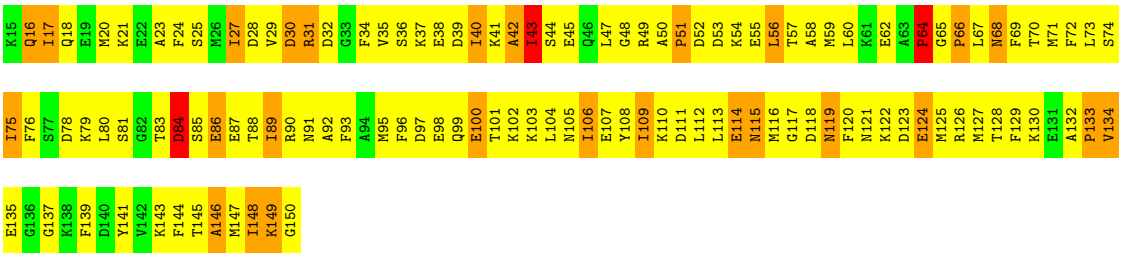




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 16-Y:

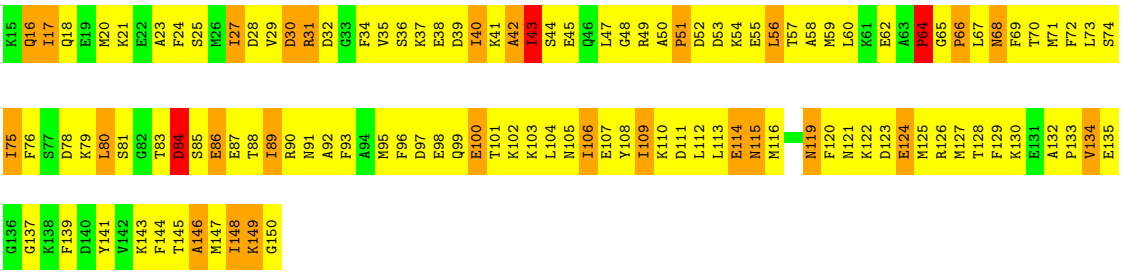




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

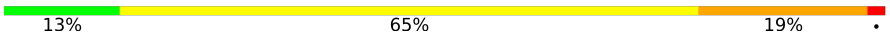
Chain 17-Y:

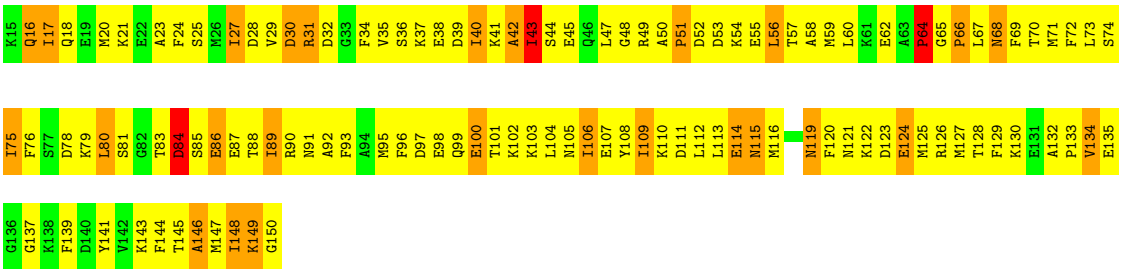




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

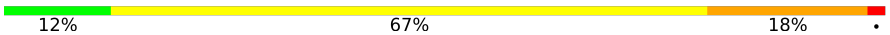
Chain 18-Y:

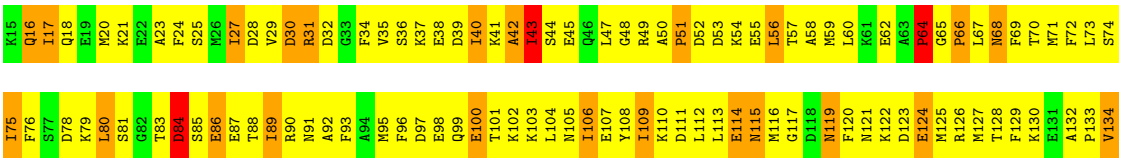


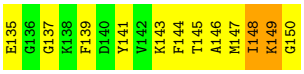


• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 19-Y:



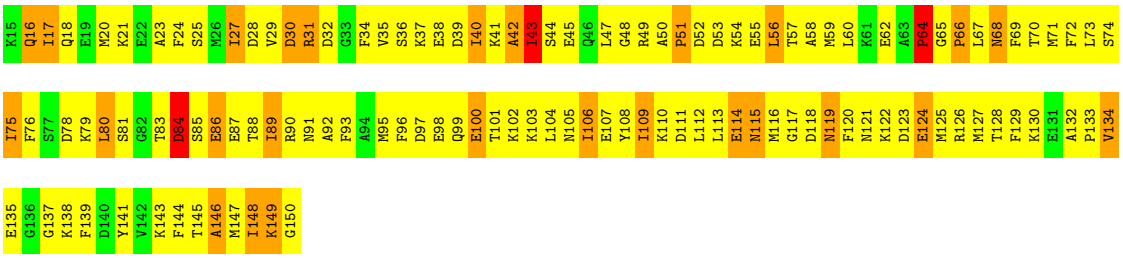




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

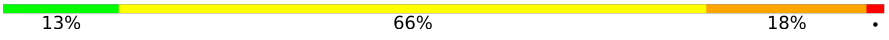
Chain 20-Y:

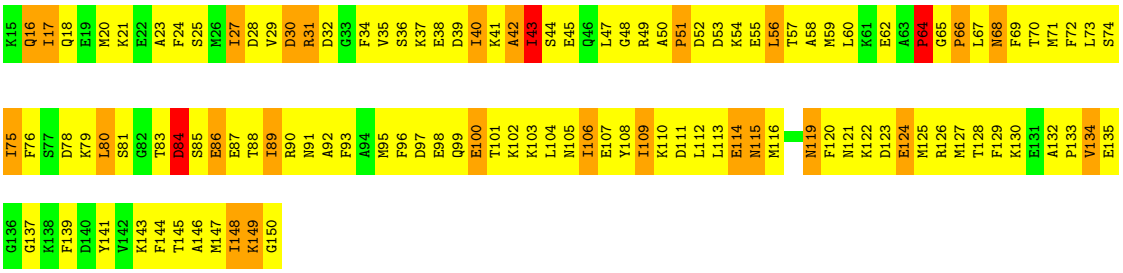




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 21-Y:

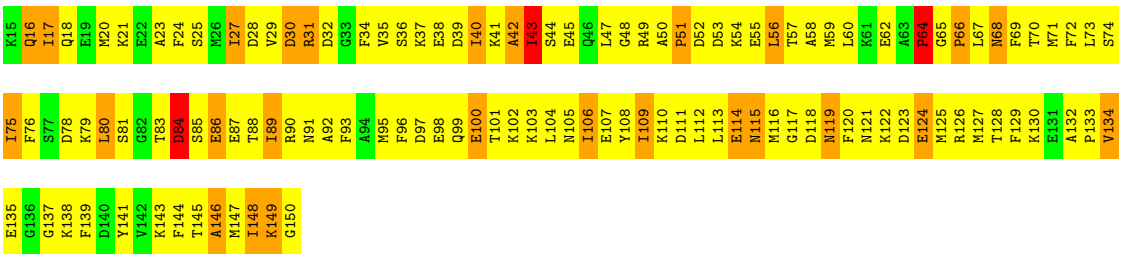




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

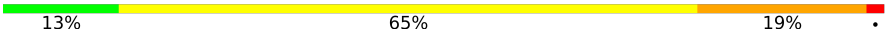
Chain 22-Y:

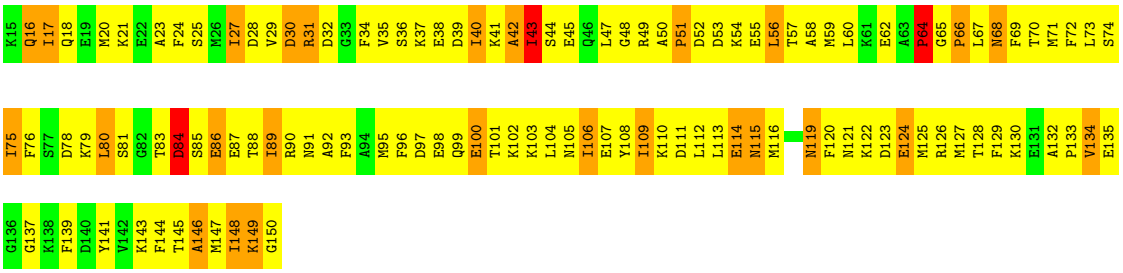




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

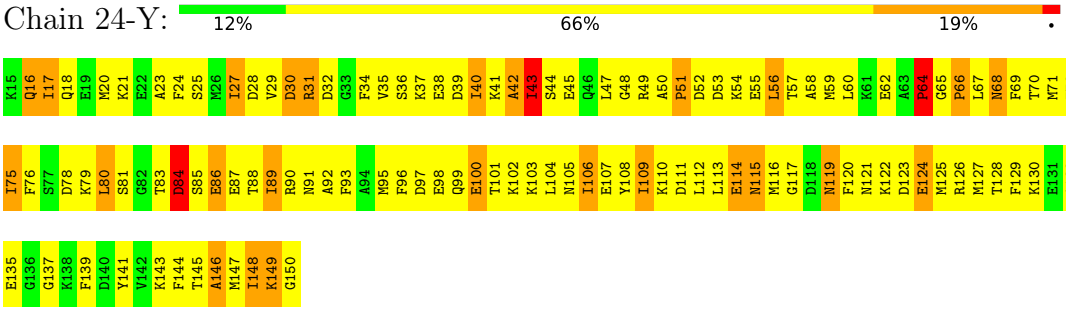
Chain 23-Y:





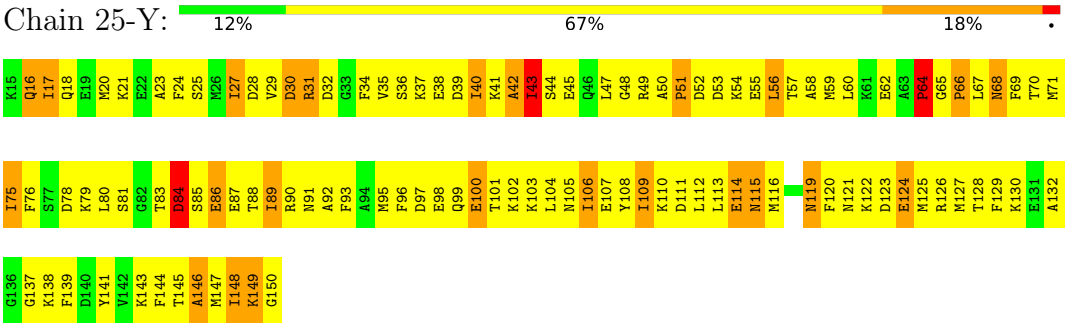
• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 24-Y:



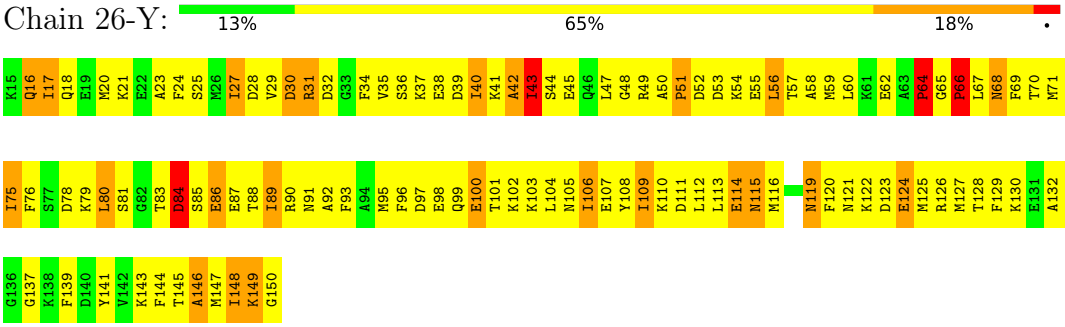
• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 25-Y:



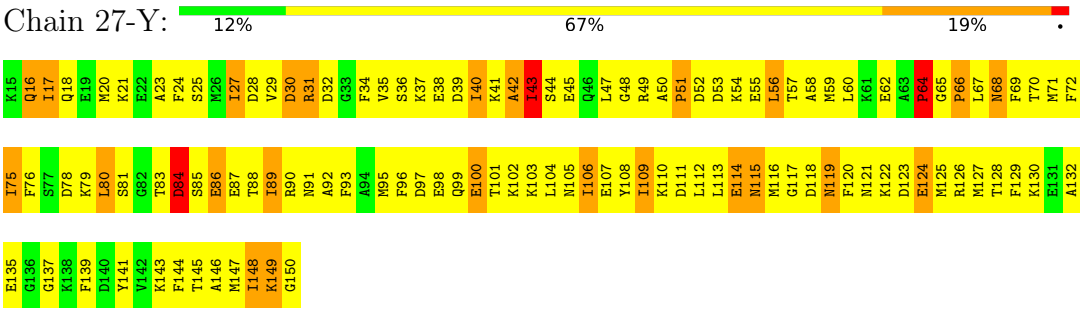
• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 26-Y:



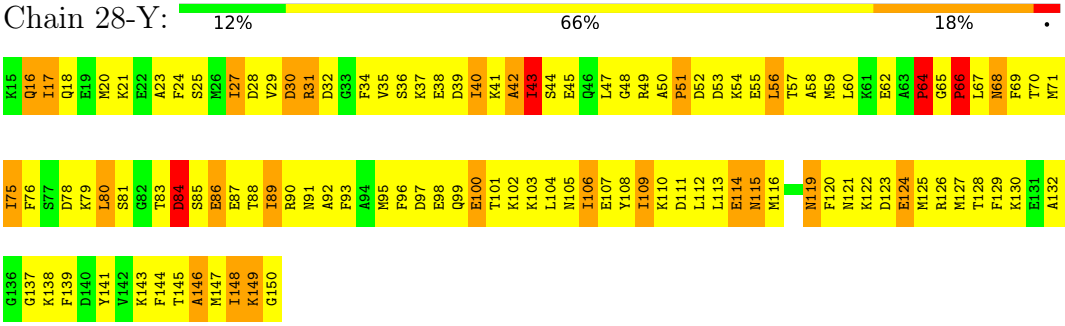
• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 27-Y:



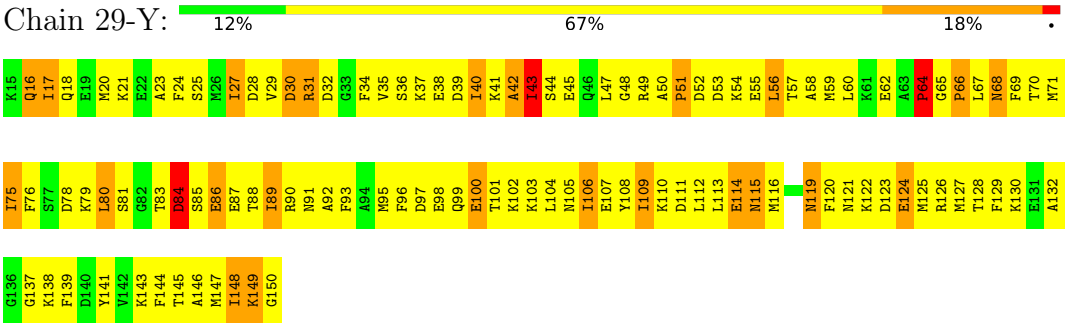
• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 28-Y:



• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 29-Y:



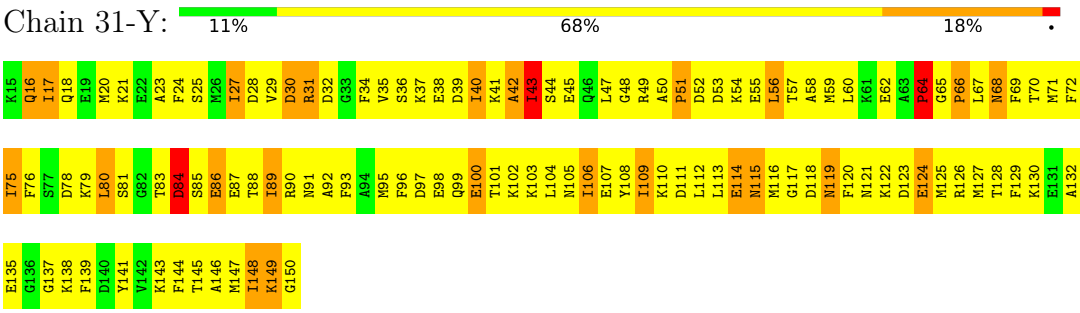
• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 30-Y:



• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

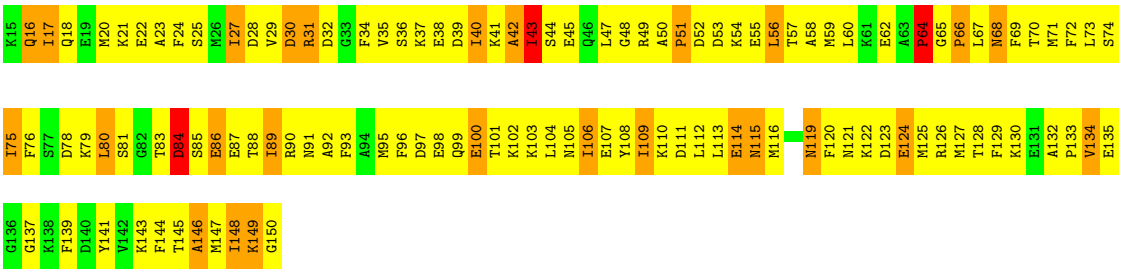
Chain 31-Y:



• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 32-Y:

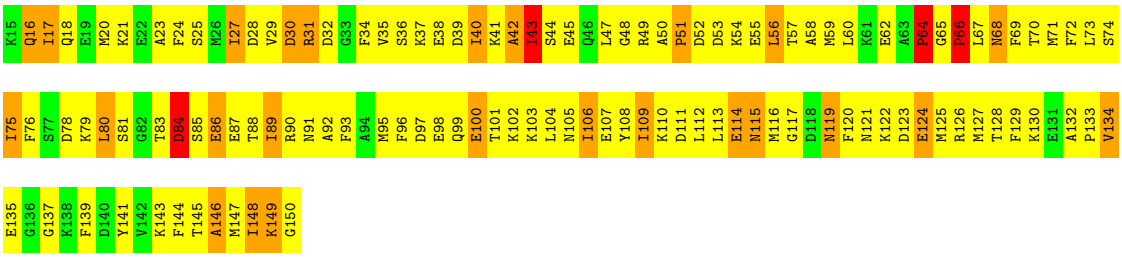




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 33-Y:

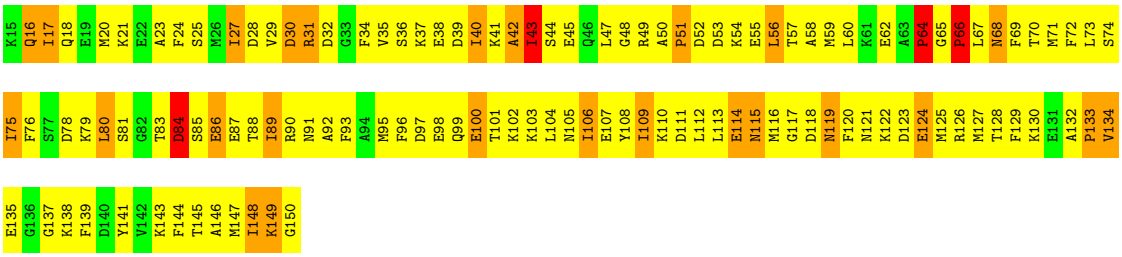




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

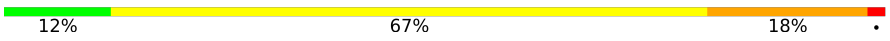
Chain 34-Y:

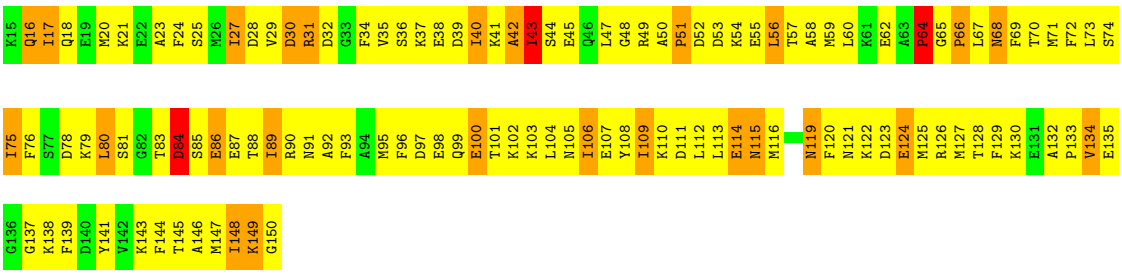




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

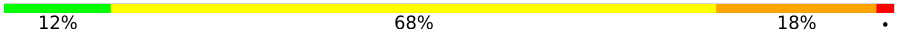
Chain 35-Y:



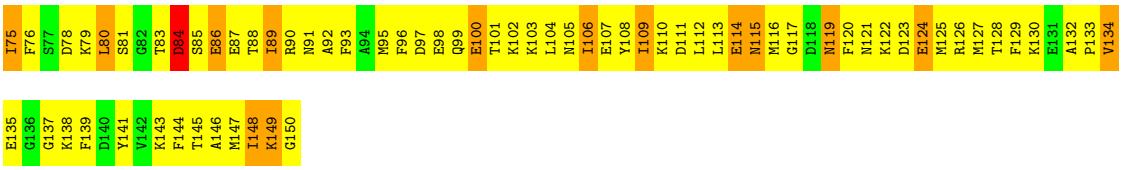


• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 36-Y:

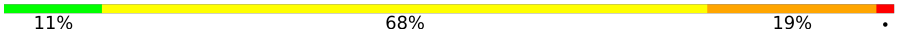


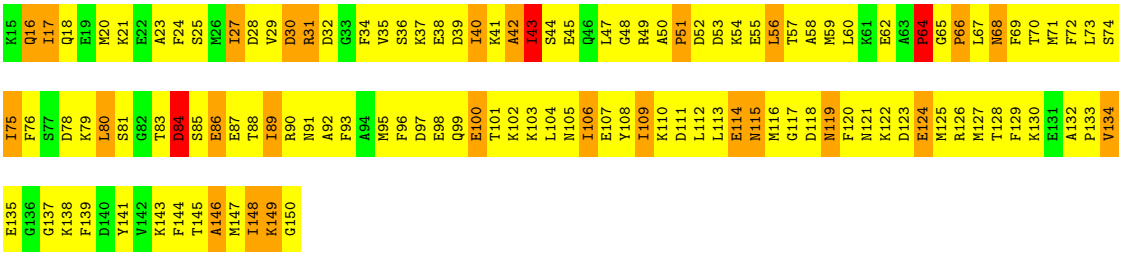




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

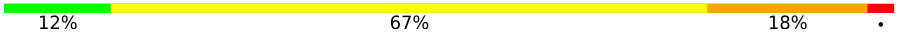
Chain 37-Y:

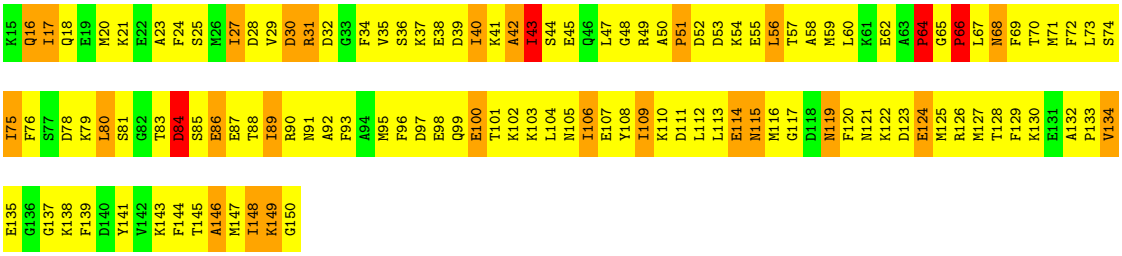




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

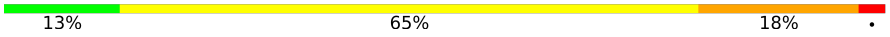
Chain 38-Y:

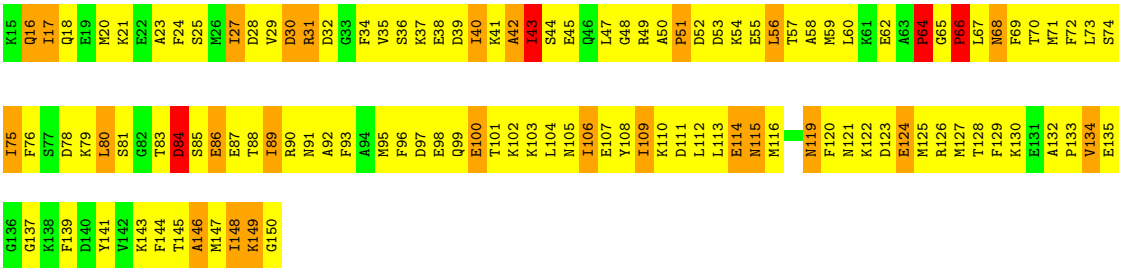




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

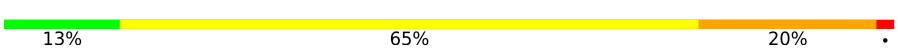
Chain 39-Y:

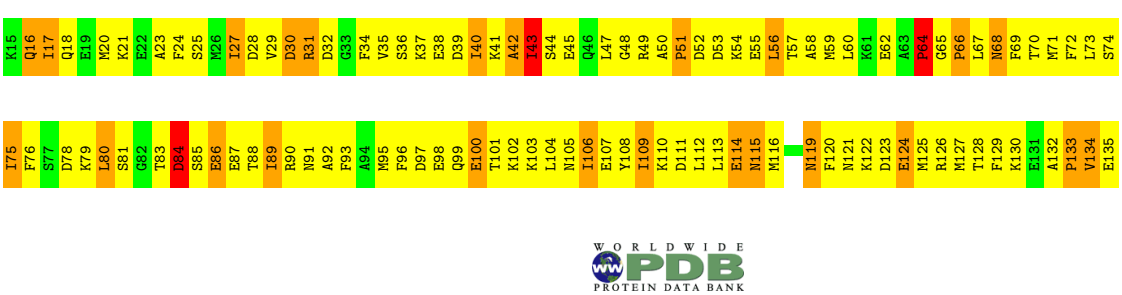




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 40-Y:

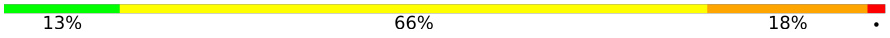


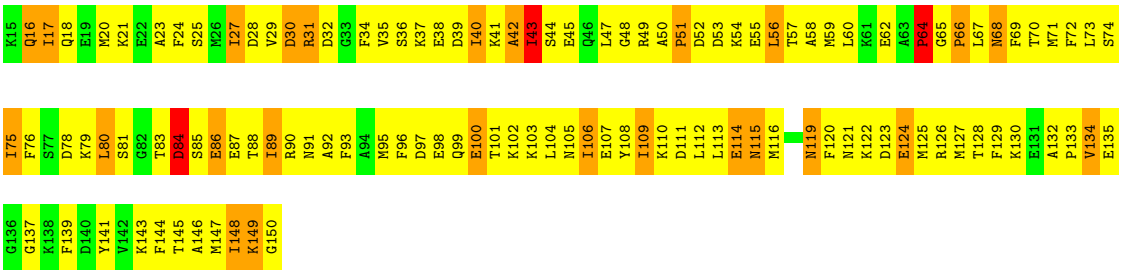




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 41-Y:

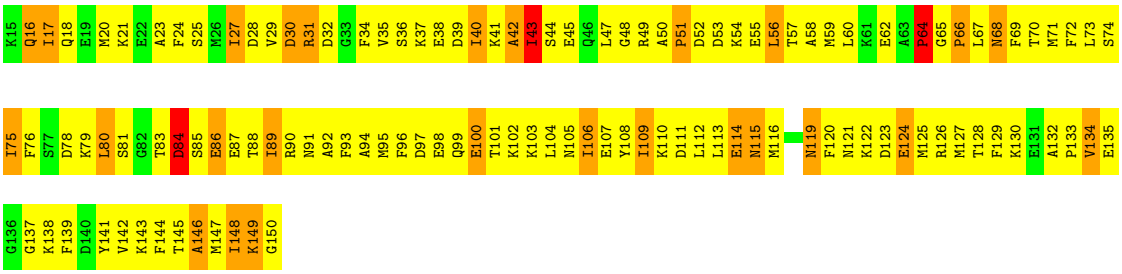




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

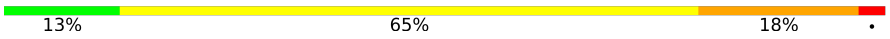
Chain 42-Y:

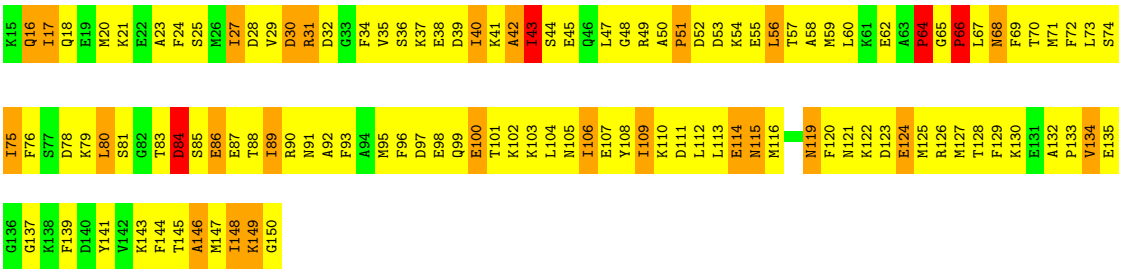




• Molecule 2: MYOSIN REGULATORY LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

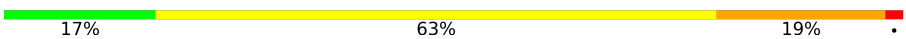
Chain 43-Y:

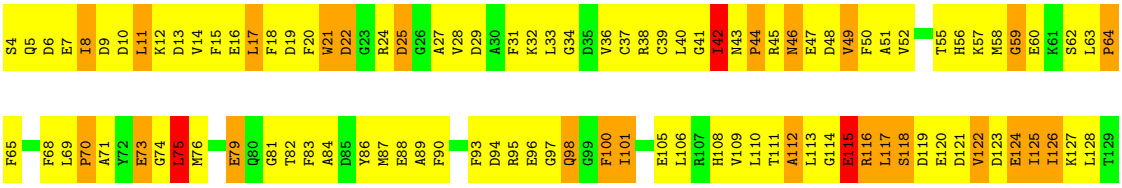


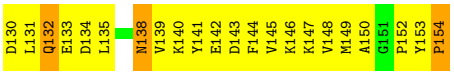


• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 1-Z:

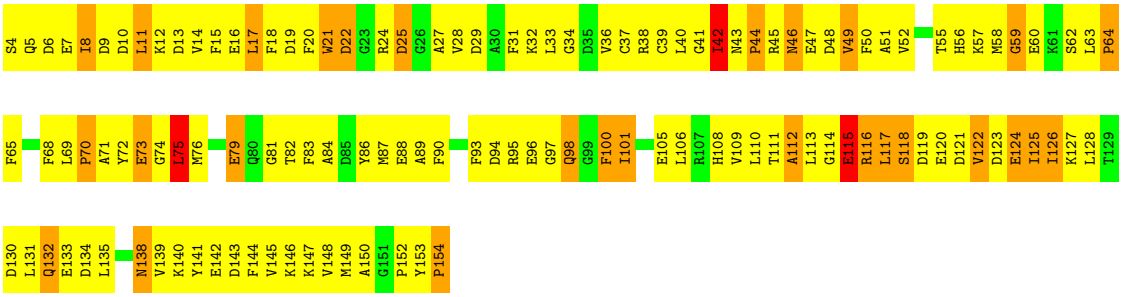






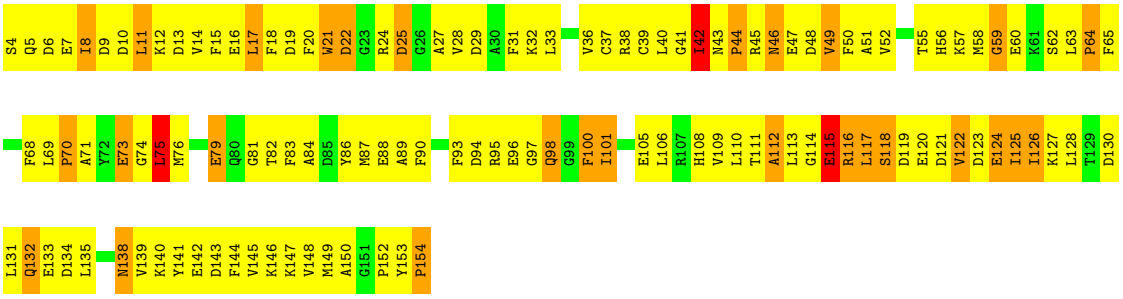
• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 2-Z:



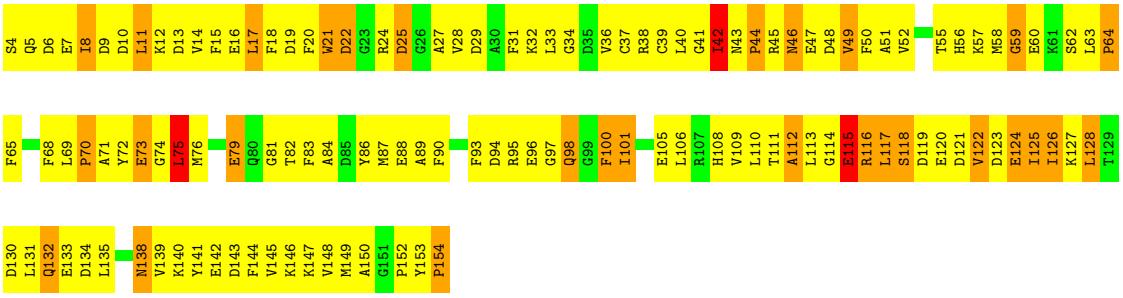
• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 3-Z:



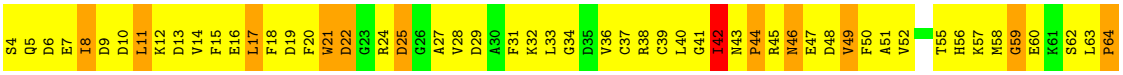
• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

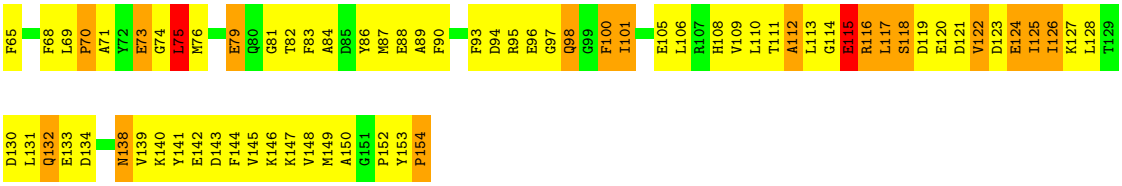
Chain 4-Z:



• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

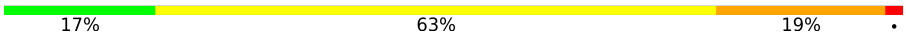
Chain 5-Z:

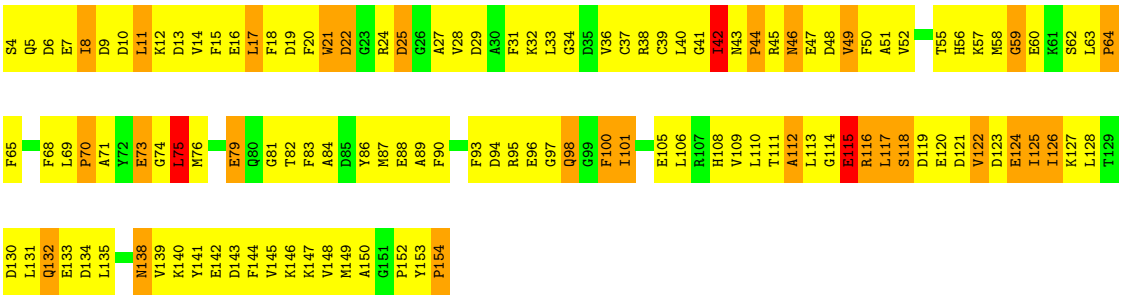




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

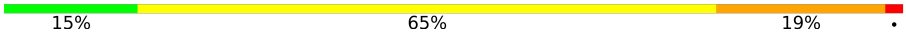
Chain 6-Z:

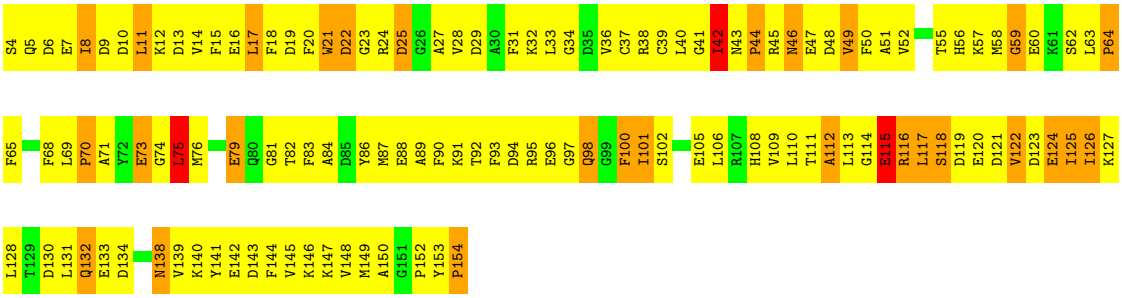




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

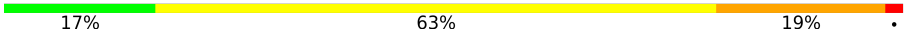
Chain 7-Z:

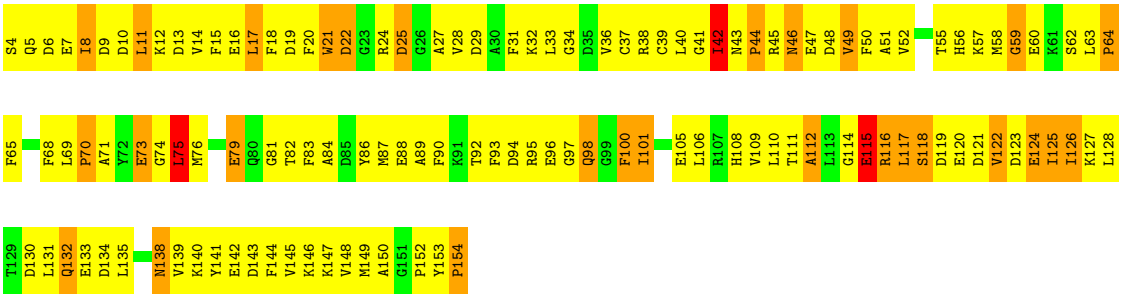




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

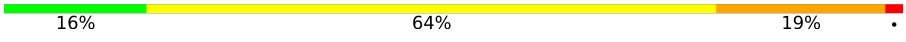
Chain 8-Z:

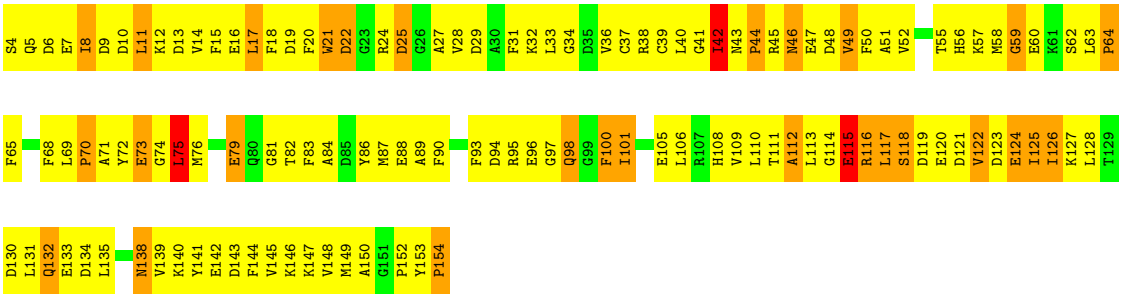




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

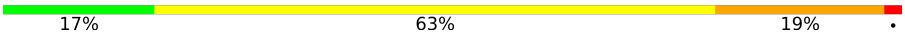
Chain 9-Z:

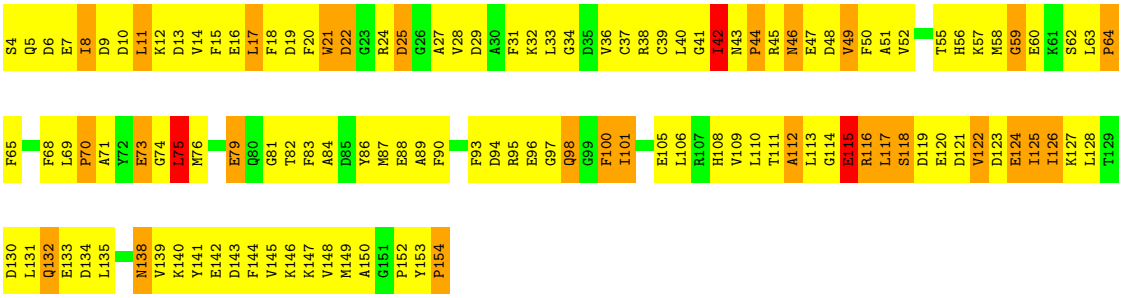




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

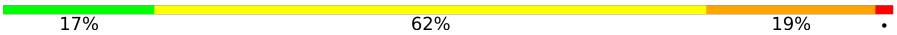
Chain 10-Z:

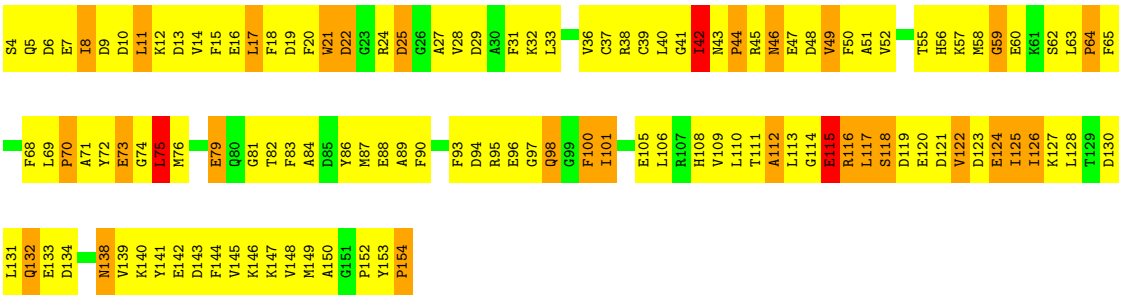




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

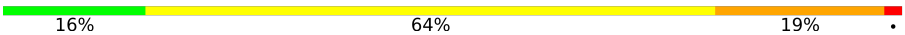
Chain 11-Z:

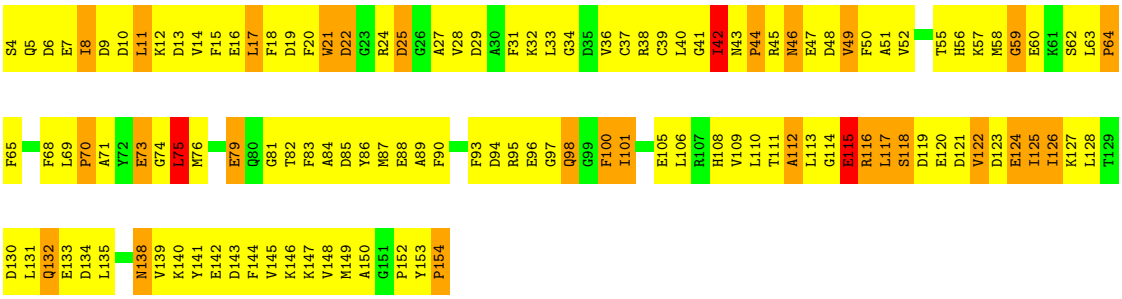




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

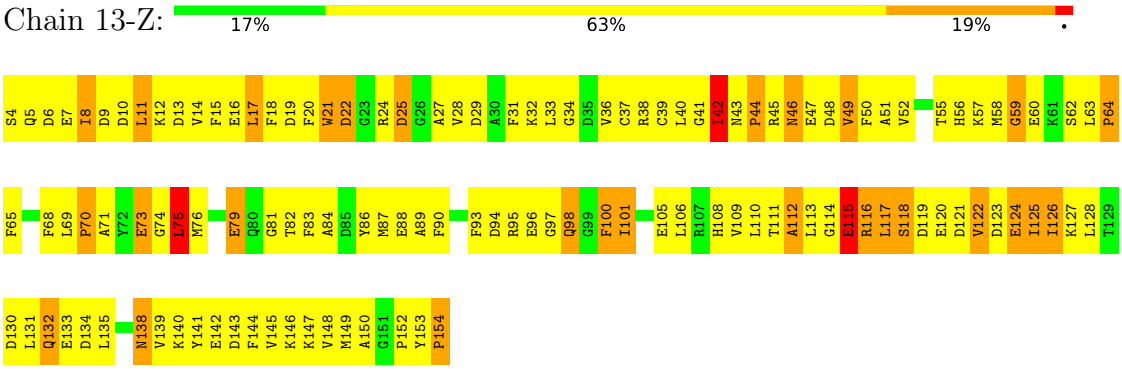
Chain 12-Z:





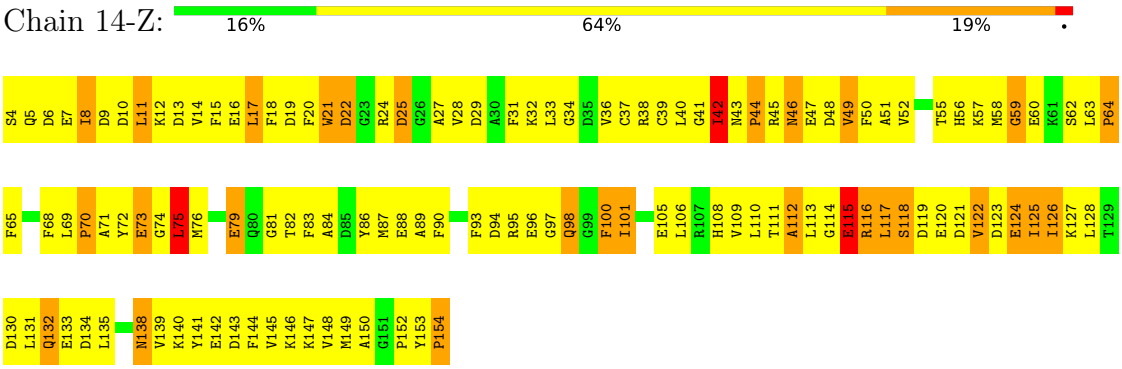
• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 13-Z:



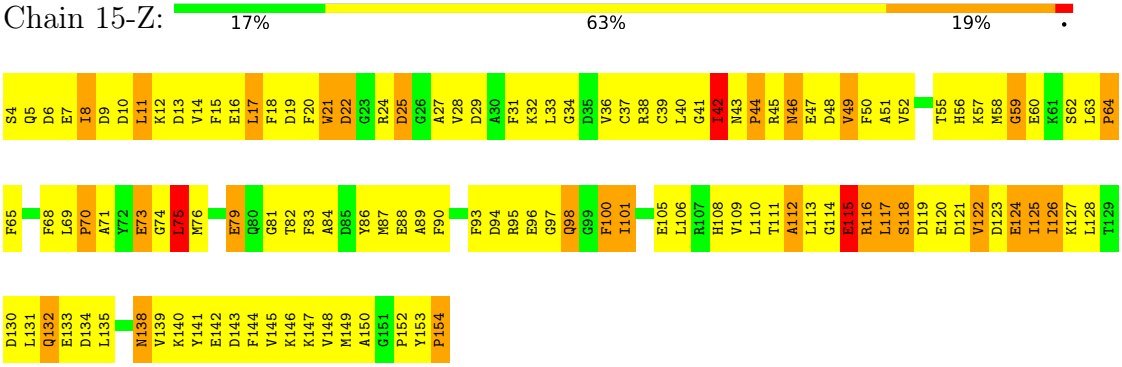
• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 14-Z:



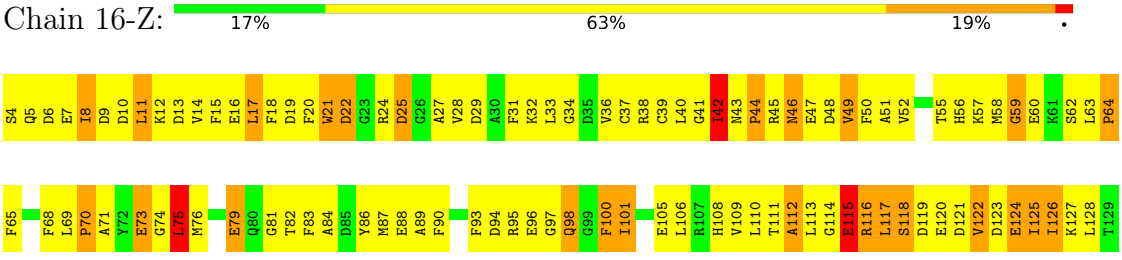
• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

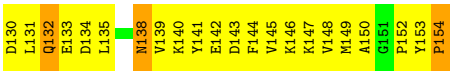
Chain 15-Z:



• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

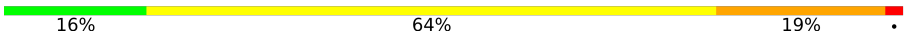
Chain 16-Z:

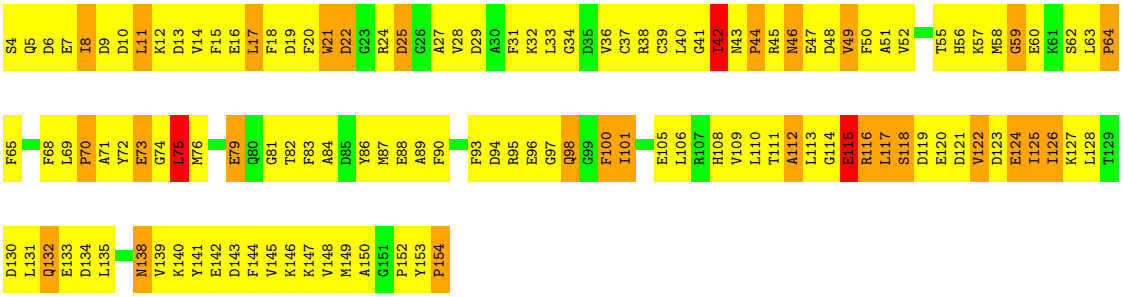




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

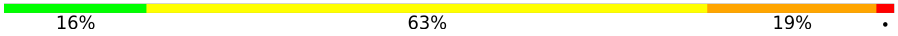
Chain 17-Z:

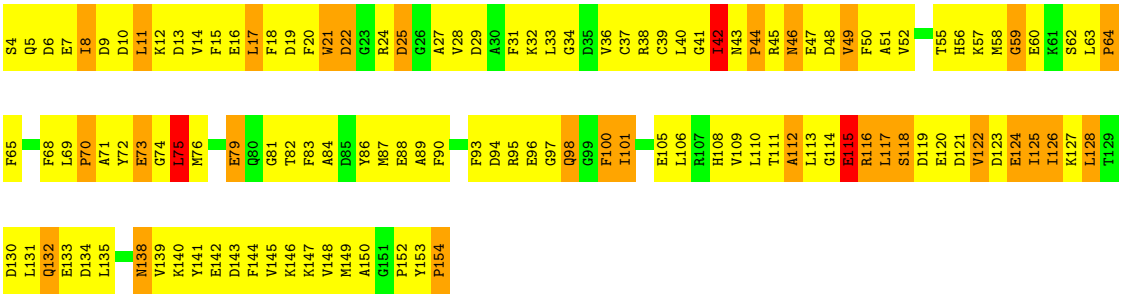




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

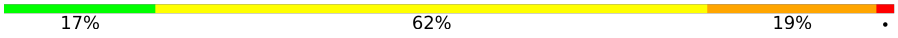
Chain 18-Z:

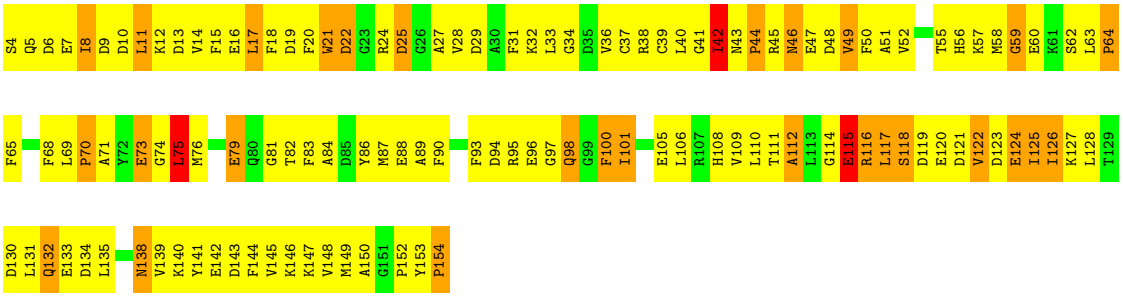




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

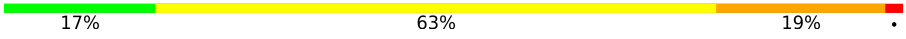
Chain 19-Z:

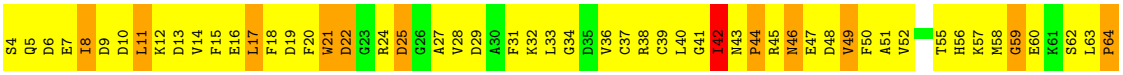


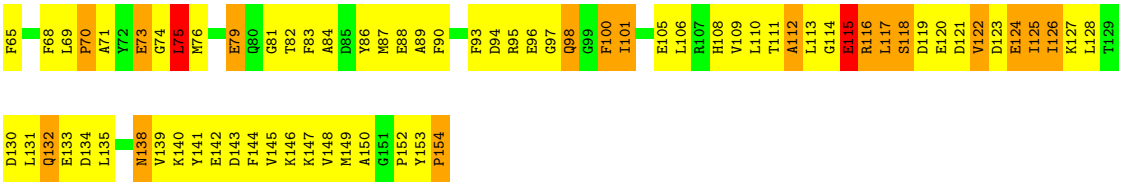


• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 20-Z:

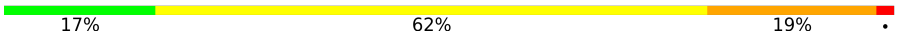


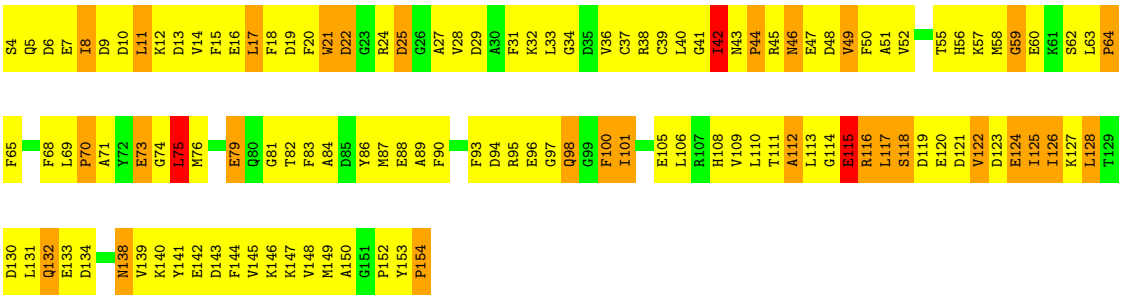




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

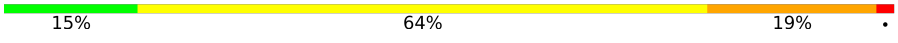
Chain 21-Z:

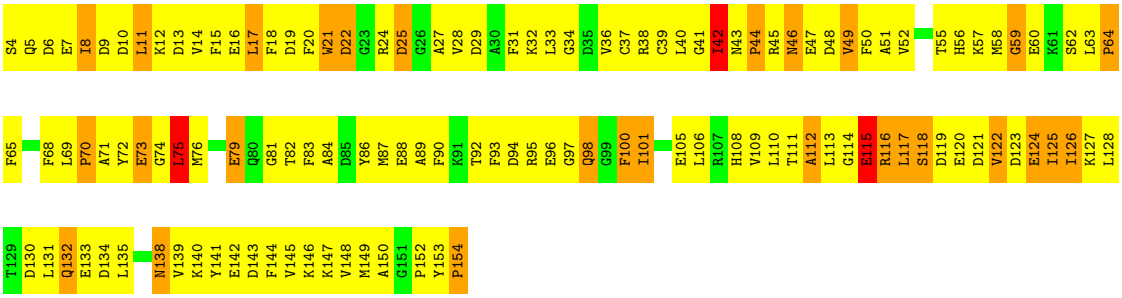




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

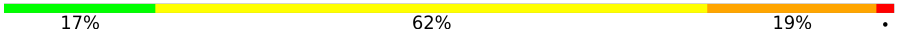
Chain 22-Z:

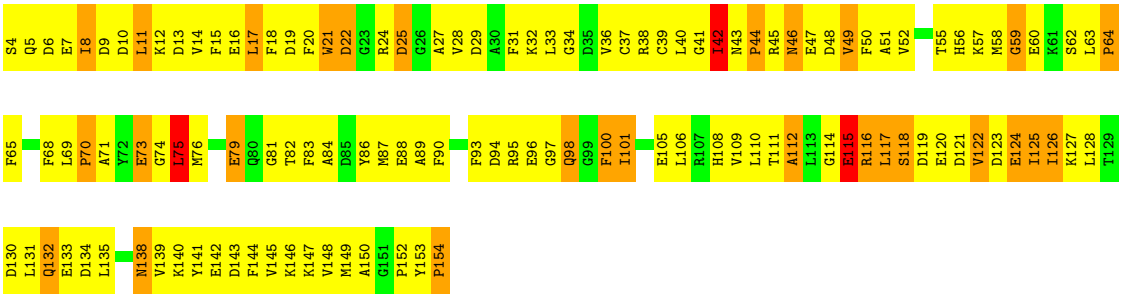




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

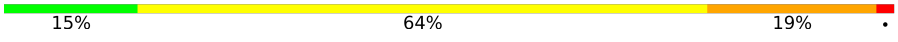
Chain 23-Z:

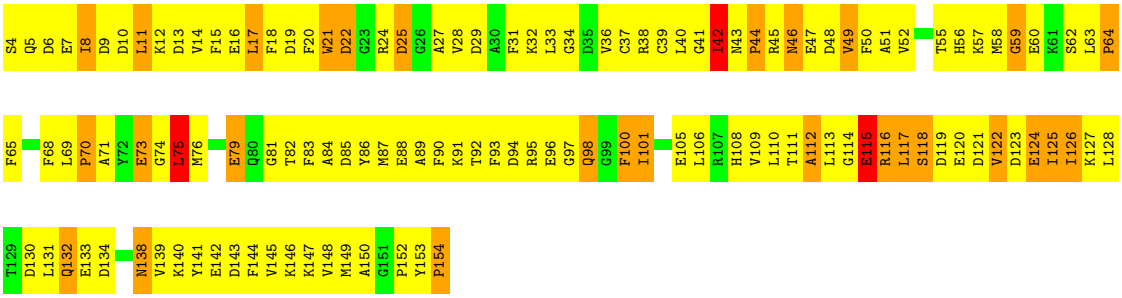




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

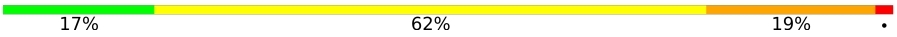
Chain 24-Z:

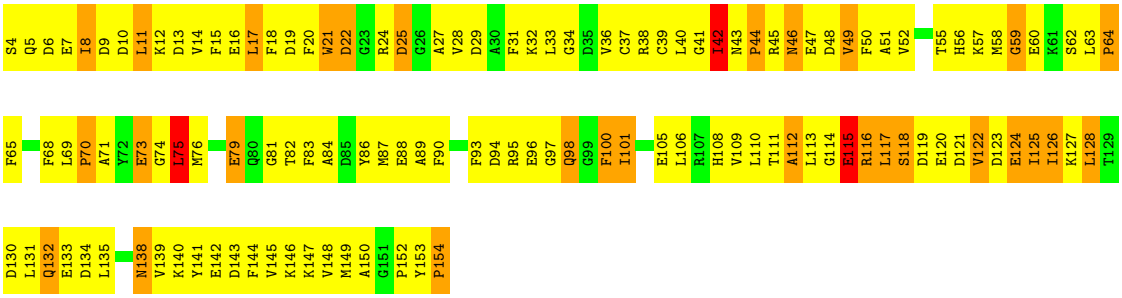




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

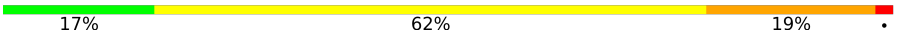
Chain 25-Z:

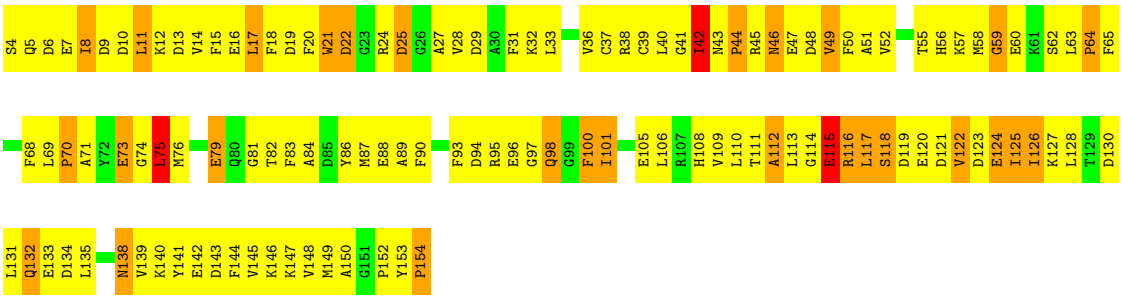




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

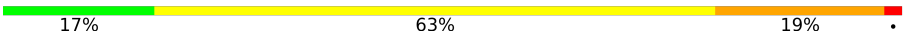
Chain 26-Z:

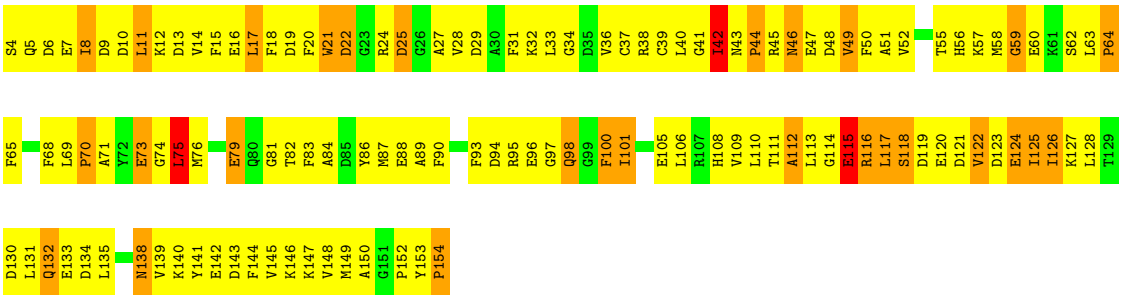




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

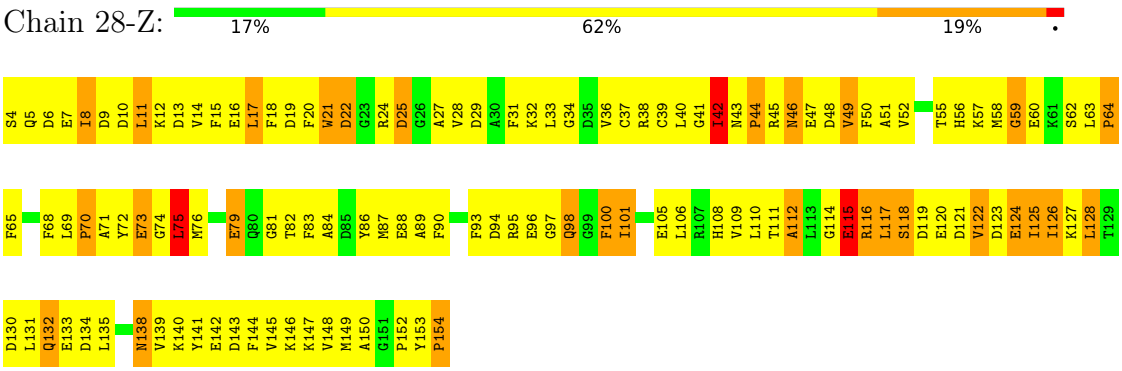
Chain 27-Z:





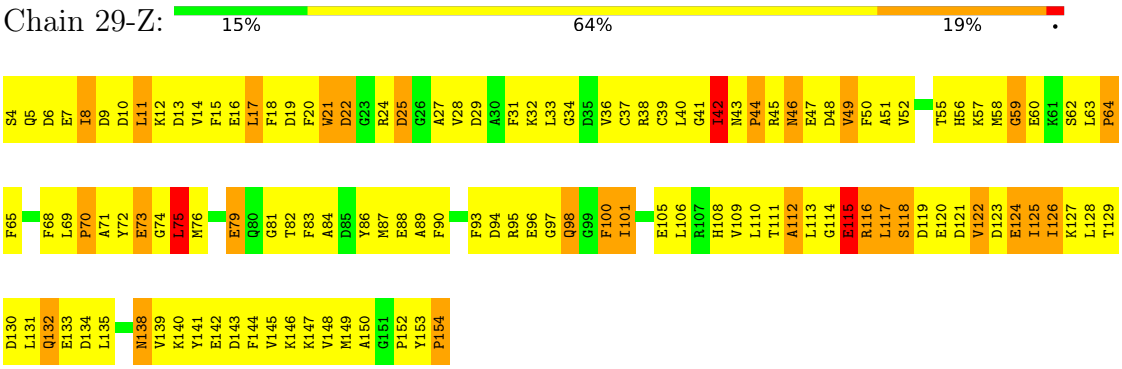
• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 28-Z:



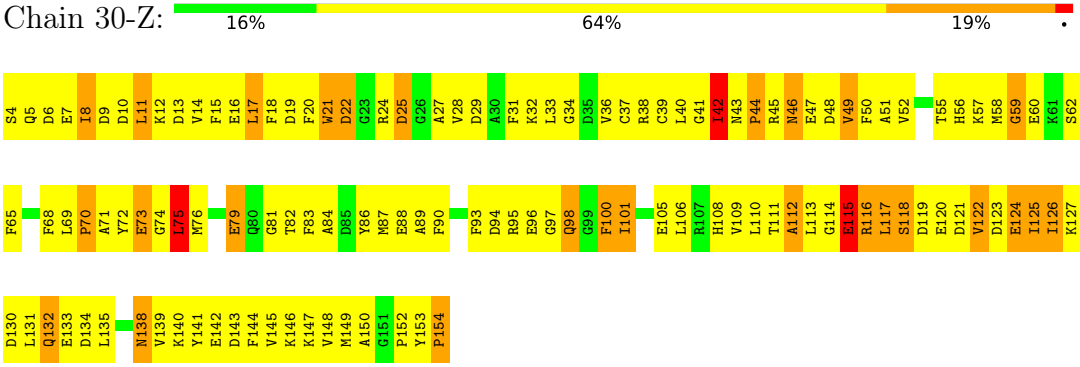
• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 29-Z:



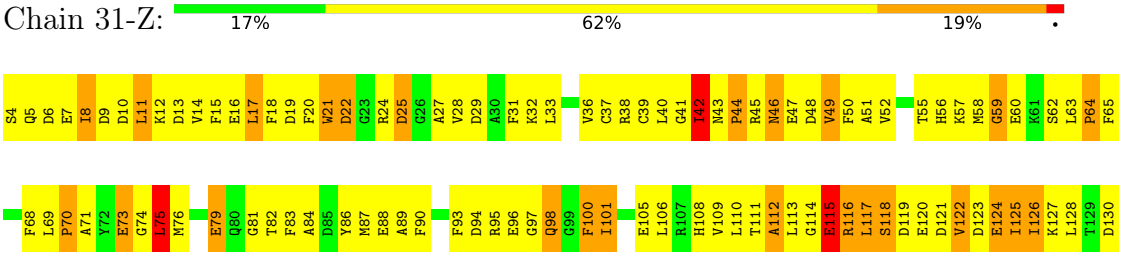
• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

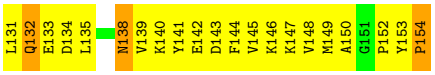
Chain 30-Z:



• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

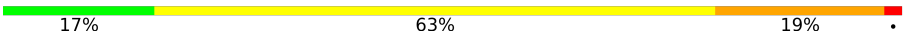
Chain 31-Z:

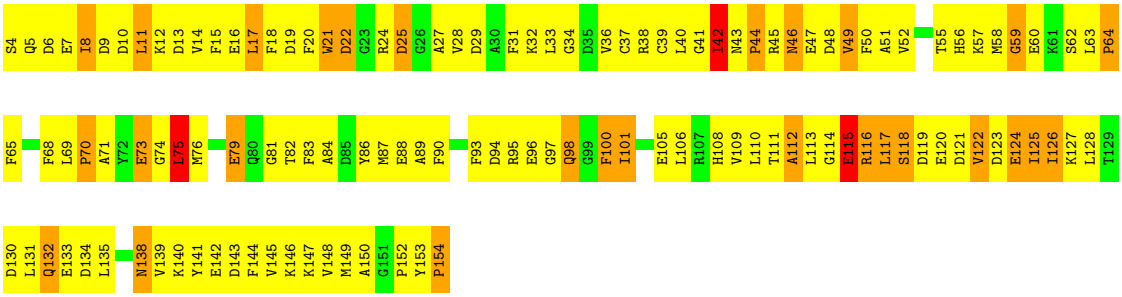




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

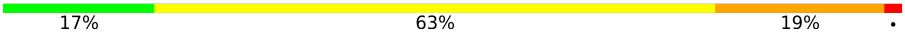
Chain 32-Z:

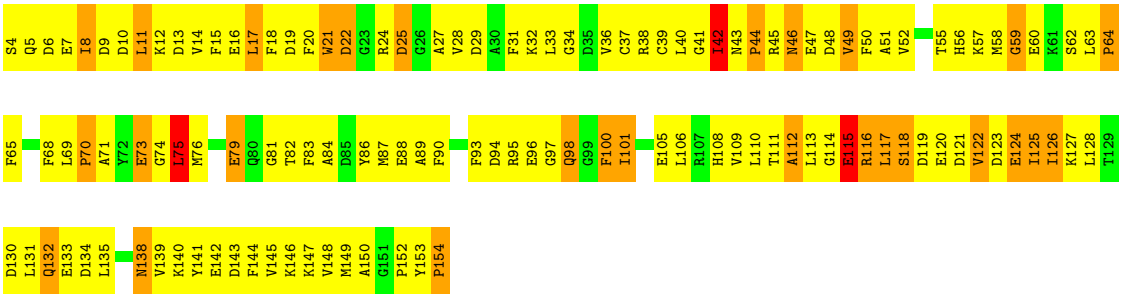




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

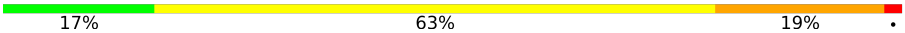
Chain 33-Z:

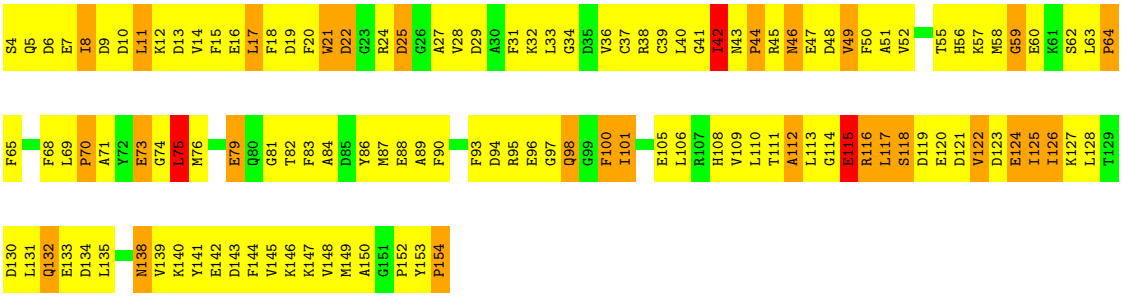




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

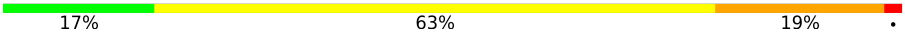
Chain 34-Z:

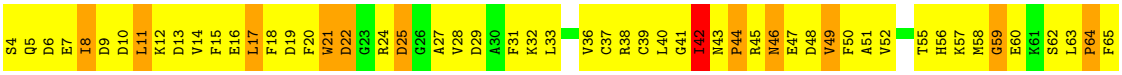


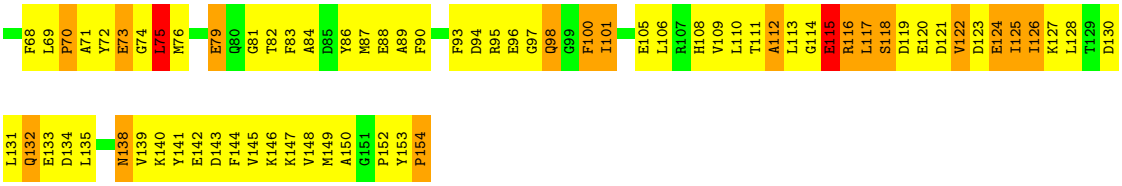


• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 35-Z:

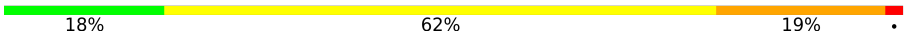


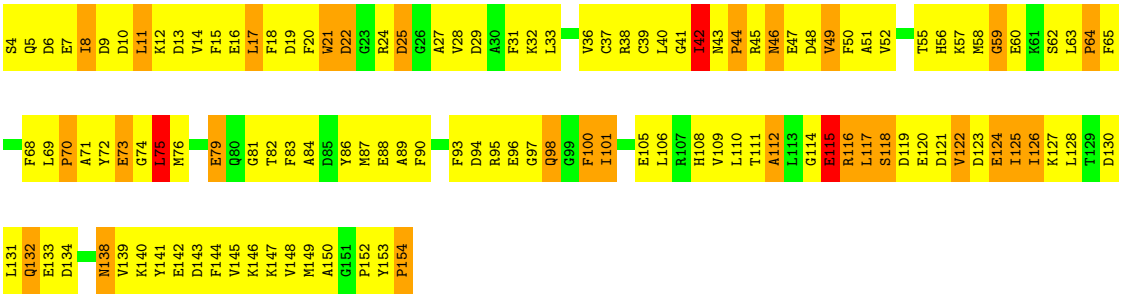




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

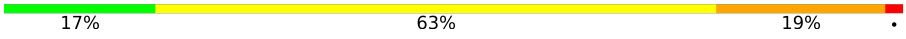
Chain 36-Z:

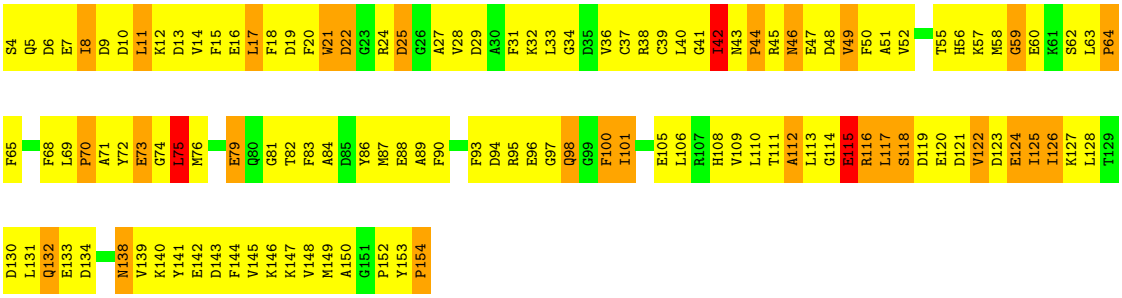




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

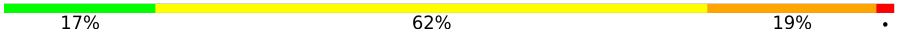
Chain 37-Z:

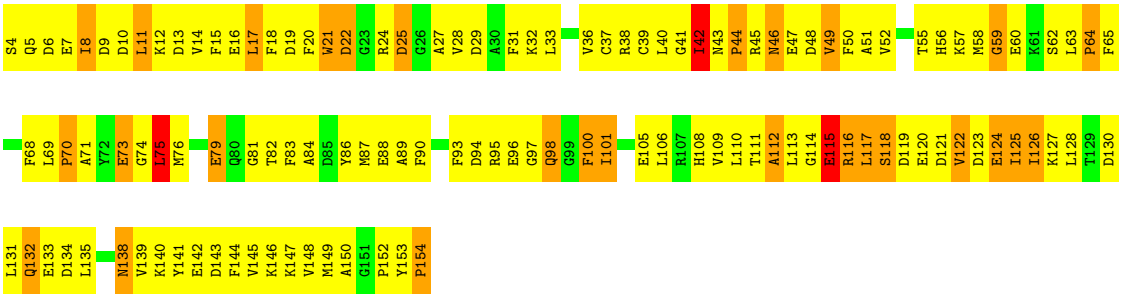




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

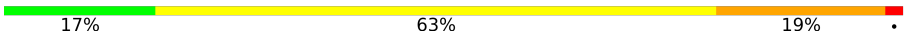
Chain 38-Z:

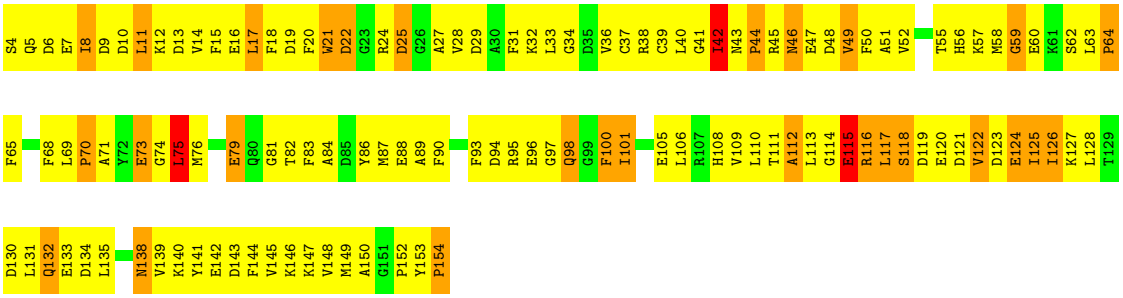




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

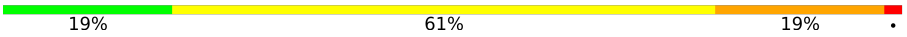
Chain 39-Z:

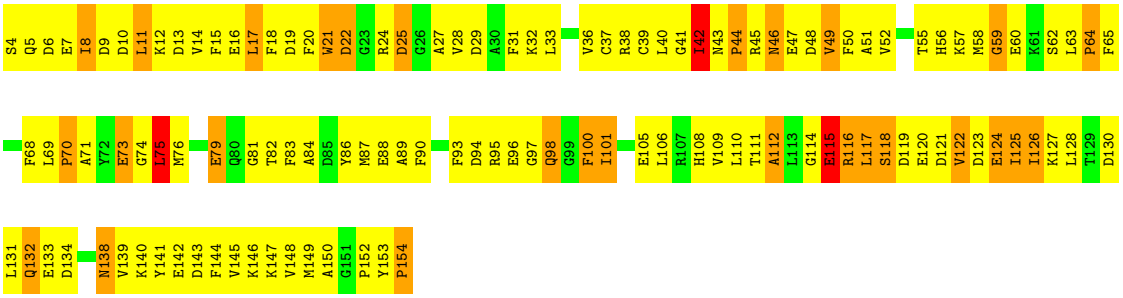




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

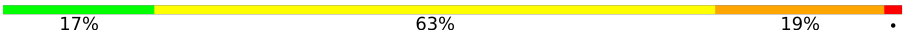
Chain 40-Z:

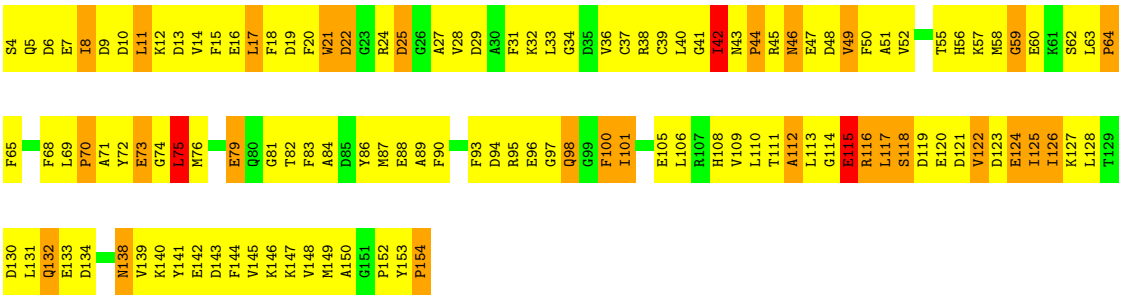




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

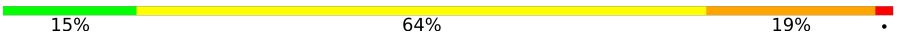
Chain 41-Z:

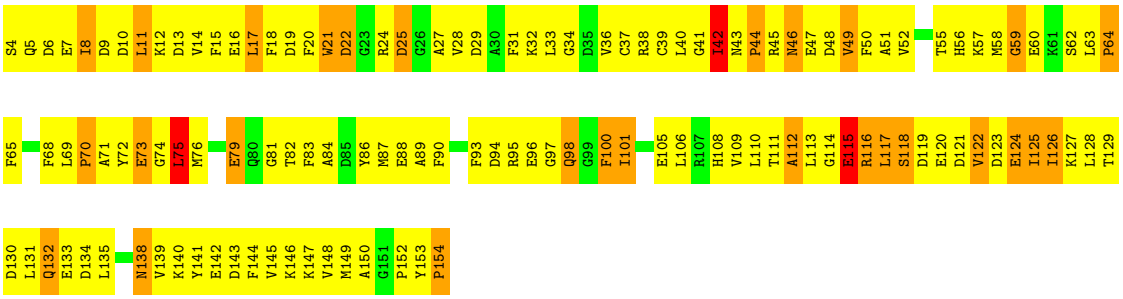




• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

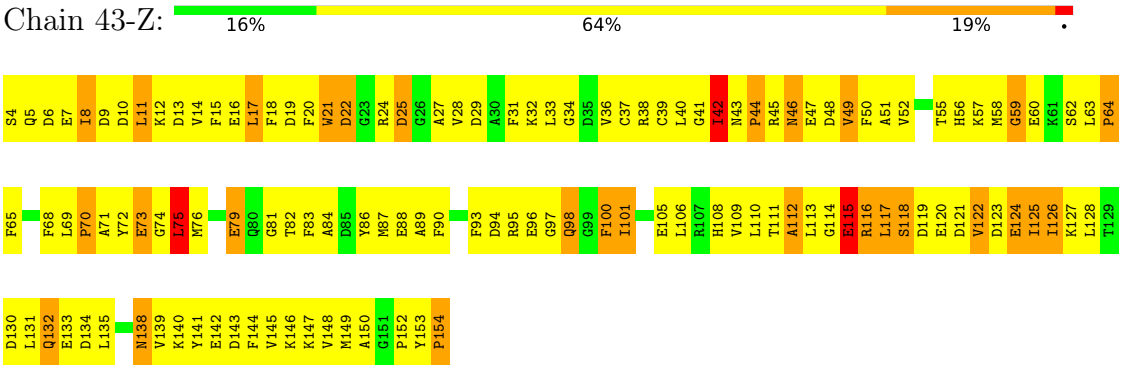
Chain 42-Z:





• Molecule 3: MYOSIN ESSENTIAL LIGHT CHAIN, STRIATED ADDUCTOR MUSCLE

Chain 43-Z:


16%
64%
19%
S4 Q5 D6 E7 I8 D9 D10 L11 K12 D13 V14 F15 E16 L17 F18 D19 F20 W21 D22 G23 R24 D25 G26 A27 V28 D29 A30 F31 K32 L33 G34 D35 V36 C37 R38 C39 L40 G41 T42 N43 P44 R45 N46 E47 D48 V49 F50 A51 V52 T55 H56 K57 M58 G59 E60 K61 S62 L63 P64
F65 F68 L69 P70 A71 Y72 E73 G74 L75 M76 E79 Q80 G81 T82 F83 A84 D85 Y86 M87 E88 A89 F90 F93 D94 R95 E96 G97 Q98 G99 F100 I101 E105 L106 R107 H108 V109 L110 T111 A112 L113 G114 E115 R116 L117 S118 D119 E120 D121 V122 D123 E124 I125 I126 K127 L128 T129
D130 L131 Q132 E133 D134 L135 N138 V139 K140 Y141 E142 D143 F144 V145 K146 K147 V148 M149 A150 G151 P152 Y153 P154

4 Experimental information (i)

Property	Value	Source
EM reconstruction method	HELICAL	Depositor
Imposed symmetry	HELICAL, twist=Not provided°, rise=Not provided Å, axial sym=Not provided	Depositor
Number of segments used	Not provided	
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	Not provided	
Microscope	FEI/PHILIPS CM300FEG/T	Depositor
Voltage (kV)	300	Depositor
Electron dose ($e^-/Å^2$)	Not provided	
Minimum defocus (nm)	Not provided	
Maximum defocus (nm)	Not provided	
Magnification	Not provided	
Image detector	TVIPS TEMCAM-F224 (2k x 2k)	Depositor

5 Model quality (i)

5.1 Standard geometry (i)

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#$\|Z\|$ >5	RMSZ	#$\|Z\|$ >5
1	1-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	2-C	2.31	90/6339 (1.4%)	2.46	107/8536 (1.3%)
1	3-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	4-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	5-C	2.31	90/6339 (1.4%)	2.46	107/8536 (1.3%)
1	6-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	7-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	8-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	9-C	2.31	90/6339 (1.4%)	2.46	107/8536 (1.3%)
1	10-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	11-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	12-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	13-C	2.31	90/6339 (1.4%)	2.46	107/8536 (1.3%)
1	14-C	2.31	90/6339 (1.4%)	2.46	107/8536 (1.3%)
1	15-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	16-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	17-C	2.31	90/6339 (1.4%)	2.46	107/8536 (1.3%)
1	18-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	19-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	20-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	21-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	22-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	23-C	2.31	90/6339 (1.4%)	2.46	107/8536 (1.3%)
1	24-C	2.31	90/6339 (1.4%)	2.46	107/8536 (1.3%)
1	25-C	2.31	90/6339 (1.4%)	2.46	107/8536 (1.3%)
1	26-C	2.31	90/6339 (1.4%)	2.46	107/8536 (1.3%)
1	27-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	28-C	2.31	90/6339 (1.4%)	2.46	107/8536 (1.3%)
1	29-C	2.31	90/6339 (1.4%)	2.46	107/8536 (1.3%)
1	30-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	31-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	32-C	2.31	90/6339 (1.4%)	2.46	107/8536 (1.3%)
1	33-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	34-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
1	35-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	36-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	37-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	38-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	39-C	2.31	90/6339 (1.4%)	2.46	107/8536 (1.3%)
1	40-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	41-C	2.31	90/6340 (1.4%)	2.46	107/8539 (1.3%)
1	42-C	2.31	90/6339 (1.4%)	2.46	107/8536 (1.3%)
1	43-C	2.31	90/6339 (1.4%)	2.46	107/8536 (1.3%)
2	1-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	2-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	3-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	4-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	5-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	6-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	7-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	8-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	9-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	10-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	11-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	12-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	13-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	14-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	15-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	16-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	17-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	18-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	19-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	20-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	21-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	22-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	23-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	24-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	25-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	26-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	27-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	28-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	29-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	30-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	31-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	32-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	33-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	34-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#|Z| >5	RMSZ	#|Z| >5
2	35-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	36-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	37-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	38-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	39-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	40-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	41-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	42-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
2	43-Y	0.87	9/1104 (0.8%)	1.38	11/1472 (0.7%)
3	1-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	2-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	3-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	4-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	5-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	6-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	7-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	8-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	9-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	10-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	11-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	12-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	13-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	14-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	15-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	16-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	17-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	18-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	19-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	20-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	21-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	22-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	23-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	24-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	25-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	26-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	27-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	28-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	29-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	30-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	31-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	32-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	33-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	34-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	$\#\|Z\| > 5$	RMSZ	$\#\|Z\| > 5$
3	35-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	36-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	37-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	38-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	39-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	40-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	41-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	42-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
3	43-Z	0.76	9/1222 (0.7%)	1.34	11/1644 (0.7%)
All	All	2.02	4644/372622 (1.2%)	2.22	5547/501117 (1.1%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand.A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
1	1-C	0	5
1	2-C	0	4
1	3-C	0	4
1	4-C	0	4
1	5-C	0	4
1	6-C	0	4
1	7-C	0	6
1	8-C	0	6
1	9-C	0	6
1	10-C	0	4
1	11-C	0	4
1	12-C	0	5
1	13-C	0	4
1	14-C	0	4
1	15-C	0	6
1	16-C	0	4
1	17-C	0	4
1	18-C	0	6
1	19-C	0	9
1	20-C	0	6
1	21-C	0	5
1	22-C	0	7
1	23-C	0	4
1	24-C	0	4
1	25-C	0	6

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Mol	Chain	#Chirality outliers	#Planarity outliers
1	26-C	0	4
1	27-C	0	4
1	28-C	0	8
1	29-C	0	5
1	30-C	0	4
1	31-C	0	6
1	32-C	0	4
1	33-C	0	4
1	34-C	0	6
1	35-C	0	6
1	36-C	0	4
1	37-C	0	6
1	38-C	0	7
1	39-C	0	4
1	40-C	0	4
1	41-C	0	4
1	42-C	0	4
1	43-C	0	8
2	1-Y	0	1
2	2-Y	0	1
2	3-Y	0	1
2	4-Y	0	1
2	5-Y	0	1
2	6-Y	0	1
2	7-Y	0	1
2	8-Y	0	1
2	9-Y	0	1
2	10-Y	0	1
2	11-Y	0	1
2	12-Y	0	1
2	13-Y	0	1
2	14-Y	0	1
2	15-Y	0	1
2	16-Y	0	1
2	17-Y	0	1
2	18-Y	0	1
2	19-Y	0	1
2	20-Y	0	1
2	21-Y	0	1
2	22-Y	0	1
2	23-Y	0	1
2	24-Y	0	1

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Mol	Chain	#Chirality outliers	#Planarity outliers
2	25-Y	0	1
2	26-Y	0	1
2	27-Y	0	1
2	28-Y	0	1
2	29-Y	0	1
2	30-Y	0	1
2	31-Y	0	1
2	32-Y	0	1
2	33-Y	0	1
2	34-Y	0	1
2	35-Y	0	1
2	36-Y	0	1
2	37-Y	0	1
2	38-Y	0	1
2	39-Y	0	1
2	40-Y	0	1
2	41-Y	0	1
2	42-Y	0	1
2	43-Y	0	1
All	All	0	260

All (4644) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1-C	498	GLU	C-N	112.86	2.91	1.33
1	2-C	498	GLU	C-N	112.86	2.91	1.33
1	3-C	498	GLU	C-N	112.86	2.91	1.33
1	4-C	498	GLU	C-N	112.86	2.91	1.33
1	5-C	498	GLU	C-N	112.86	2.91	1.33
1	6-C	498	GLU	C-N	112.86	2.91	1.33
1	7-C	498	GLU	C-N	112.86	2.91	1.33
1	8-C	498	GLU	C-N	112.86	2.91	1.33
1	9-C	498	GLU	C-N	112.86	2.91	1.33
1	10-C	498	GLU	C-N	112.86	2.91	1.33
1	11-C	498	GLU	C-N	112.86	2.91	1.33
1	12-C	498	GLU	C-N	112.86	2.91	1.33
1	13-C	498	GLU	C-N	112.86	2.91	1.33
1	14-C	498	GLU	C-N	112.86	2.91	1.33
1	15-C	498	GLU	C-N	112.86	2.91	1.33
1	16-C	498	GLU	C-N	112.86	2.91	1.33
1	17-C	498	GLU	C-N	112.86	2.91	1.33
1	18-C	498	GLU	C-N	112.86	2.91	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	19-C	498	GLU	C-N	112.86	2.91	1.33
1	20-C	498	GLU	C-N	112.86	2.91	1.33
1	21-C	498	GLU	C-N	112.86	2.91	1.33
1	22-C	498	GLU	C-N	112.86	2.91	1.33
1	23-C	498	GLU	C-N	112.86	2.91	1.33
1	24-C	498	GLU	C-N	112.86	2.91	1.33
1	25-C	498	GLU	C-N	112.86	2.91	1.33
1	26-C	498	GLU	C-N	112.86	2.91	1.33
1	27-C	498	GLU	C-N	112.86	2.91	1.33
1	28-C	498	GLU	C-N	112.86	2.91	1.33
1	29-C	498	GLU	C-N	112.86	2.91	1.33
1	30-C	498	GLU	C-N	112.86	2.91	1.33
1	31-C	498	GLU	C-N	112.86	2.91	1.33
1	32-C	498	GLU	C-N	112.86	2.91	1.33
1	33-C	498	GLU	C-N	112.86	2.91	1.33
1	34-C	498	GLU	C-N	112.86	2.91	1.33
1	35-C	498	GLU	C-N	112.86	2.91	1.33
1	36-C	498	GLU	C-N	112.86	2.91	1.33
1	37-C	498	GLU	C-N	112.86	2.91	1.33
1	38-C	498	GLU	C-N	112.86	2.91	1.33
1	39-C	498	GLU	C-N	112.86	2.91	1.33
1	40-C	498	GLU	C-N	112.86	2.91	1.33
1	41-C	498	GLU	C-N	112.86	2.91	1.33
1	42-C	498	GLU	C-N	112.86	2.91	1.33
1	43-C	498	GLU	C-N	112.86	2.91	1.33
1	1-C	504	GLY	C-N	54.44	2.09	1.33
1	2-C	504	GLY	C-N	54.44	2.09	1.33
1	3-C	504	GLY	C-N	54.44	2.09	1.33
1	4-C	504	GLY	C-N	54.44	2.09	1.33
1	5-C	504	GLY	C-N	54.44	2.09	1.33
1	6-C	504	GLY	C-N	54.44	2.09	1.33
1	7-C	504	GLY	C-N	54.44	2.09	1.33
1	8-C	504	GLY	C-N	54.44	2.09	1.33
1	9-C	504	GLY	C-N	54.44	2.09	1.33
1	10-C	504	GLY	C-N	54.44	2.09	1.33
1	11-C	504	GLY	C-N	54.44	2.09	1.33
1	12-C	504	GLY	C-N	54.44	2.09	1.33
1	13-C	504	GLY	C-N	54.44	2.09	1.33
1	14-C	504	GLY	C-N	54.44	2.09	1.33
1	15-C	504	GLY	C-N	54.44	2.09	1.33
1	16-C	504	GLY	C-N	54.44	2.09	1.33
1	17-C	504	GLY	C-N	54.44	2.09	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	18-C	504	GLY	C-N	54.44	2.09	1.33
1	19-C	504	GLY	C-N	54.44	2.09	1.33
1	20-C	504	GLY	C-N	54.44	2.09	1.33
1	21-C	504	GLY	C-N	54.44	2.09	1.33
1	22-C	504	GLY	C-N	54.44	2.09	1.33
1	23-C	504	GLY	C-N	54.44	2.09	1.33
1	24-C	504	GLY	C-N	54.44	2.09	1.33
1	25-C	504	GLY	C-N	54.44	2.09	1.33
1	26-C	504	GLY	C-N	54.44	2.09	1.33
1	27-C	504	GLY	C-N	54.44	2.09	1.33
1	28-C	504	GLY	C-N	54.44	2.09	1.33
1	29-C	504	GLY	C-N	54.44	2.09	1.33
1	30-C	504	GLY	C-N	54.44	2.09	1.33
1	31-C	504	GLY	C-N	54.44	2.09	1.33
1	32-C	504	GLY	C-N	54.44	2.09	1.33
1	33-C	504	GLY	C-N	54.44	2.09	1.33
1	34-C	504	GLY	C-N	54.44	2.09	1.33
1	35-C	504	GLY	C-N	54.44	2.09	1.33
1	36-C	504	GLY	C-N	54.44	2.09	1.33
1	37-C	504	GLY	C-N	54.44	2.09	1.33
1	38-C	504	GLY	C-N	54.44	2.09	1.33
1	39-C	504	GLY	C-N	54.44	2.09	1.33
1	40-C	504	GLY	C-N	54.44	2.09	1.33
1	41-C	504	GLY	C-N	54.44	2.09	1.33
1	42-C	504	GLY	C-N	54.44	2.09	1.33
1	43-C	504	GLY	C-N	54.44	2.09	1.33
1	1-C	462	ALA	C-N	47.02	1.92	1.33
1	2-C	462	ALA	C-N	47.02	1.92	1.33
1	3-C	462	ALA	C-N	47.02	1.92	1.33
1	4-C	462	ALA	C-N	47.02	1.92	1.33
1	5-C	462	ALA	C-N	47.02	1.92	1.33
1	6-C	462	ALA	C-N	47.02	1.92	1.33
1	7-C	462	ALA	C-N	47.02	1.92	1.33
1	8-C	462	ALA	C-N	47.02	1.92	1.33
1	9-C	462	ALA	C-N	47.02	1.92	1.33
1	10-C	462	ALA	C-N	47.02	1.92	1.33
1	11-C	462	ALA	C-N	47.02	1.92	1.33
1	12-C	462	ALA	C-N	47.02	1.92	1.33
1	13-C	462	ALA	C-N	47.02	1.92	1.33
1	14-C	462	ALA	C-N	47.02	1.92	1.33
1	15-C	462	ALA	C-N	47.02	1.92	1.33
1	16-C	462	ALA	C-N	47.02	1.92	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	17-C	462	ALA	C-N	47.02	1.92	1.33
1	18-C	462	ALA	C-N	47.02	1.92	1.33
1	19-C	462	ALA	C-N	47.02	1.92	1.33
1	20-C	462	ALA	C-N	47.02	1.92	1.33
1	21-C	462	ALA	C-N	47.02	1.92	1.33
1	22-C	462	ALA	C-N	47.02	1.92	1.33
1	23-C	462	ALA	C-N	47.02	1.92	1.33
1	24-C	462	ALA	C-N	47.02	1.92	1.33
1	25-C	462	ALA	C-N	47.02	1.92	1.33
1	26-C	462	ALA	C-N	47.02	1.92	1.33
1	27-C	462	ALA	C-N	47.02	1.92	1.33
1	28-C	462	ALA	C-N	47.02	1.92	1.33
1	29-C	462	ALA	C-N	47.02	1.92	1.33
1	30-C	462	ALA	C-N	47.02	1.92	1.33
1	31-C	462	ALA	C-N	47.02	1.92	1.33
1	32-C	462	ALA	C-N	47.02	1.92	1.33
1	33-C	462	ALA	C-N	47.02	1.92	1.33
1	34-C	462	ALA	C-N	47.02	1.92	1.33
1	35-C	462	ALA	C-N	47.02	1.92	1.33
1	36-C	462	ALA	C-N	47.02	1.92	1.33
1	37-C	462	ALA	C-N	47.02	1.92	1.33
1	38-C	462	ALA	C-N	47.02	1.92	1.33
1	39-C	462	ALA	C-N	47.02	1.92	1.33
1	40-C	462	ALA	C-N	47.02	1.92	1.33
1	41-C	462	ALA	C-N	47.02	1.92	1.33
1	42-C	462	ALA	C-N	47.02	1.92	1.33
1	43-C	462	ALA	C-N	47.02	1.92	1.33
1	1-C	709	SER	C-N	45.38	1.94	1.33
1	2-C	709	SER	C-N	45.38	1.94	1.33
1	3-C	709	SER	C-N	45.38	1.94	1.33
1	4-C	709	SER	C-N	45.38	1.94	1.33
1	5-C	709	SER	C-N	45.38	1.94	1.33
1	6-C	709	SER	C-N	45.38	1.94	1.33
1	7-C	709	SER	C-N	45.38	1.94	1.33
1	8-C	709	SER	C-N	45.38	1.94	1.33
1	9-C	709	SER	C-N	45.38	1.94	1.33
1	10-C	709	SER	C-N	45.38	1.94	1.33
1	11-C	709	SER	C-N	45.38	1.94	1.33
1	12-C	709	SER	C-N	45.38	1.94	1.33
1	13-C	709	SER	C-N	45.38	1.94	1.33
1	14-C	709	SER	C-N	45.38	1.94	1.33
1	15-C	709	SER	C-N	45.38	1.94	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	16-C	709	SER	C-N	45.38	1.94	1.33
1	17-C	709	SER	C-N	45.38	1.94	1.33
1	18-C	709	SER	C-N	45.38	1.94	1.33
1	19-C	709	SER	C-N	45.38	1.94	1.33
1	20-C	709	SER	C-N	45.38	1.94	1.33
1	21-C	709	SER	C-N	45.38	1.94	1.33
1	22-C	709	SER	C-N	45.38	1.94	1.33
1	23-C	709	SER	C-N	45.38	1.94	1.33
1	24-C	709	SER	C-N	45.38	1.94	1.33
1	25-C	709	SER	C-N	45.38	1.94	1.33
1	26-C	709	SER	C-N	45.38	1.94	1.33
1	27-C	709	SER	C-N	45.38	1.94	1.33
1	28-C	709	SER	C-N	45.38	1.94	1.33
1	29-C	709	SER	C-N	45.38	1.94	1.33
1	30-C	709	SER	C-N	45.38	1.94	1.33
1	31-C	709	SER	C-N	45.38	1.94	1.33
1	32-C	709	SER	C-N	45.38	1.94	1.33
1	33-C	709	SER	C-N	45.38	1.94	1.33
1	34-C	709	SER	C-N	45.38	1.94	1.33
1	35-C	709	SER	C-N	45.38	1.94	1.33
1	36-C	709	SER	C-N	45.38	1.94	1.33
1	37-C	709	SER	C-N	45.38	1.94	1.33
1	38-C	709	SER	C-N	45.38	1.94	1.33
1	39-C	709	SER	C-N	45.38	1.94	1.33
1	40-C	709	SER	C-N	45.38	1.94	1.33
1	41-C	709	SER	C-N	45.38	1.94	1.33
1	42-C	709	SER	C-N	45.38	1.94	1.33
1	43-C	709	SER	C-N	45.38	1.94	1.33
1	1-C	503	GLU	C-N	40.34	1.89	1.33
1	2-C	503	GLU	C-N	40.34	1.89	1.33
1	3-C	503	GLU	C-N	40.34	1.89	1.33
1	4-C	503	GLU	C-N	40.34	1.89	1.33
1	5-C	503	GLU	C-N	40.34	1.89	1.33
1	6-C	503	GLU	C-N	40.34	1.89	1.33
1	7-C	503	GLU	C-N	40.34	1.89	1.33
1	8-C	503	GLU	C-N	40.34	1.89	1.33
1	9-C	503	GLU	C-N	40.34	1.89	1.33
1	10-C	503	GLU	C-N	40.34	1.89	1.33
1	11-C	503	GLU	C-N	40.34	1.89	1.33
1	12-C	503	GLU	C-N	40.34	1.89	1.33
1	13-C	503	GLU	C-N	40.34	1.89	1.33
1	14-C	503	GLU	C-N	40.34	1.89	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	15-C	503	GLU	C-N	40.34	1.89	1.33
1	16-C	503	GLU	C-N	40.34	1.89	1.33
1	17-C	503	GLU	C-N	40.34	1.89	1.33
1	18-C	503	GLU	C-N	40.34	1.89	1.33
1	19-C	503	GLU	C-N	40.34	1.89	1.33
1	20-C	503	GLU	C-N	40.34	1.89	1.33
1	21-C	503	GLU	C-N	40.34	1.89	1.33
1	22-C	503	GLU	C-N	40.34	1.89	1.33
1	23-C	503	GLU	C-N	40.34	1.89	1.33
1	24-C	503	GLU	C-N	40.34	1.89	1.33
1	25-C	503	GLU	C-N	40.34	1.89	1.33
1	26-C	503	GLU	C-N	40.34	1.89	1.33
1	27-C	503	GLU	C-N	40.34	1.89	1.33
1	28-C	503	GLU	C-N	40.34	1.89	1.33
1	29-C	503	GLU	C-N	40.34	1.89	1.33
1	30-C	503	GLU	C-N	40.34	1.89	1.33
1	31-C	503	GLU	C-N	40.34	1.89	1.33
1	32-C	503	GLU	C-N	40.34	1.89	1.33
1	33-C	503	GLU	C-N	40.34	1.89	1.33
1	34-C	503	GLU	C-N	40.34	1.89	1.33
1	35-C	503	GLU	C-N	40.34	1.89	1.33
1	36-C	503	GLU	C-N	40.34	1.89	1.33
1	37-C	503	GLU	C-N	40.34	1.89	1.33
1	38-C	503	GLU	C-N	40.34	1.89	1.33
1	39-C	503	GLU	C-N	40.34	1.89	1.33
1	40-C	503	GLU	C-N	40.34	1.89	1.33
1	41-C	503	GLU	C-N	40.34	1.89	1.33
1	42-C	503	GLU	C-N	40.34	1.89	1.33
1	43-C	503	GLU	C-N	40.34	1.89	1.33
1	1-C	147	GLU	C-N	-39.45	0.78	1.33
1	2-C	147	GLU	C-N	-39.45	0.78	1.33
1	3-C	147	GLU	C-N	-39.45	0.78	1.33
1	4-C	147	GLU	C-N	-39.45	0.78	1.33
1	5-C	147	GLU	C-N	-39.45	0.78	1.33
1	6-C	147	GLU	C-N	-39.45	0.78	1.33
1	7-C	147	GLU	C-N	-39.45	0.78	1.33
1	8-C	147	GLU	C-N	-39.45	0.78	1.33
1	9-C	147	GLU	C-N	-39.45	0.78	1.33
1	10-C	147	GLU	C-N	-39.45	0.78	1.33
1	11-C	147	GLU	C-N	-39.45	0.78	1.33
1	12-C	147	GLU	C-N	-39.45	0.78	1.33
1	13-C	147	GLU	C-N	-39.45	0.78	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	14-C	147	GLU	C-N	-39.45	0.78	1.33
1	15-C	147	GLU	C-N	-39.45	0.78	1.33
1	16-C	147	GLU	C-N	-39.45	0.78	1.33
1	17-C	147	GLU	C-N	-39.45	0.78	1.33
1	18-C	147	GLU	C-N	-39.45	0.78	1.33
1	19-C	147	GLU	C-N	-39.45	0.78	1.33
1	20-C	147	GLU	C-N	-39.45	0.78	1.33
1	21-C	147	GLU	C-N	-39.45	0.78	1.33
1	22-C	147	GLU	C-N	-39.45	0.78	1.33
1	23-C	147	GLU	C-N	-39.45	0.78	1.33
1	24-C	147	GLU	C-N	-39.45	0.78	1.33
1	25-C	147	GLU	C-N	-39.45	0.78	1.33
1	26-C	147	GLU	C-N	-39.45	0.78	1.33
1	27-C	147	GLU	C-N	-39.45	0.78	1.33
1	28-C	147	GLU	C-N	-39.45	0.78	1.33
1	29-C	147	GLU	C-N	-39.45	0.78	1.33
1	30-C	147	GLU	C-N	-39.45	0.78	1.33
1	31-C	147	GLU	C-N	-39.45	0.78	1.33
1	32-C	147	GLU	C-N	-39.45	0.78	1.33
1	33-C	147	GLU	C-N	-39.45	0.78	1.33
1	34-C	147	GLU	C-N	-39.45	0.78	1.33
1	35-C	147	GLU	C-N	-39.45	0.78	1.33
1	36-C	147	GLU	C-N	-39.45	0.78	1.33
1	37-C	147	GLU	C-N	-39.45	0.78	1.33
1	38-C	147	GLU	C-N	-39.45	0.78	1.33
1	39-C	147	GLU	C-N	-39.45	0.78	1.33
1	40-C	147	GLU	C-N	-39.45	0.78	1.33
1	41-C	147	GLU	C-N	-39.45	0.78	1.33
1	42-C	147	GLU	C-N	-39.45	0.78	1.33
1	43-C	147	GLU	C-N	-39.45	0.78	1.33
1	1-C	482	GLU	C-N	-27.62	0.95	1.33
1	2-C	482	GLU	C-N	-27.62	0.95	1.33
1	3-C	482	GLU	C-N	-27.62	0.95	1.33
1	4-C	482	GLU	C-N	-27.62	0.95	1.33
1	5-C	482	GLU	C-N	-27.62	0.95	1.33
1	6-C	482	GLU	C-N	-27.62	0.95	1.33
1	7-C	482	GLU	C-N	-27.62	0.95	1.33
1	8-C	482	GLU	C-N	-27.62	0.95	1.33
1	9-C	482	GLU	C-N	-27.62	0.95	1.33
1	10-C	482	GLU	C-N	-27.62	0.95	1.33
1	11-C	482	GLU	C-N	-27.62	0.95	1.33
1	12-C	482	GLU	C-N	-27.62	0.95	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	13-C	482	GLU	C-N	-27.62	0.95	1.33
1	14-C	482	GLU	C-N	-27.62	0.95	1.33
1	15-C	482	GLU	C-N	-27.62	0.95	1.33
1	16-C	482	GLU	C-N	-27.62	0.95	1.33
1	17-C	482	GLU	C-N	-27.62	0.95	1.33
1	18-C	482	GLU	C-N	-27.62	0.95	1.33
1	19-C	482	GLU	C-N	-27.62	0.95	1.33
1	20-C	482	GLU	C-N	-27.62	0.95	1.33
1	21-C	482	GLU	C-N	-27.62	0.95	1.33
1	22-C	482	GLU	C-N	-27.62	0.95	1.33
1	23-C	482	GLU	C-N	-27.62	0.95	1.33
1	24-C	482	GLU	C-N	-27.62	0.95	1.33
1	25-C	482	GLU	C-N	-27.62	0.95	1.33
1	26-C	482	GLU	C-N	-27.62	0.95	1.33
1	27-C	482	GLU	C-N	-27.62	0.95	1.33
1	28-C	482	GLU	C-N	-27.62	0.95	1.33
1	29-C	482	GLU	C-N	-27.62	0.95	1.33
1	30-C	482	GLU	C-N	-27.62	0.95	1.33
1	31-C	482	GLU	C-N	-27.62	0.95	1.33
1	32-C	482	GLU	C-N	-27.62	0.95	1.33
1	33-C	482	GLU	C-N	-27.62	0.95	1.33
1	34-C	482	GLU	C-N	-27.62	0.95	1.33
1	35-C	482	GLU	C-N	-27.62	0.95	1.33
1	36-C	482	GLU	C-N	-27.62	0.95	1.33
1	37-C	482	GLU	C-N	-27.62	0.95	1.33
1	38-C	482	GLU	C-N	-27.62	0.95	1.33
1	39-C	482	GLU	C-N	-27.62	0.95	1.33
1	40-C	482	GLU	C-N	-27.62	0.95	1.33
1	41-C	482	GLU	C-N	-27.62	0.95	1.33
1	42-C	482	GLU	C-N	-27.62	0.95	1.33
1	43-C	482	GLU	C-N	-27.62	0.95	1.33
1	1-C	445	THR	C-N	25.23	1.68	1.33
1	2-C	445	THR	C-N	25.23	1.68	1.33
1	3-C	445	THR	C-N	25.23	1.68	1.33
1	4-C	445	THR	C-N	25.23	1.68	1.33
1	5-C	445	THR	C-N	25.23	1.68	1.33
1	6-C	445	THR	C-N	25.23	1.68	1.33
1	7-C	445	THR	C-N	25.23	1.68	1.33
1	8-C	445	THR	C-N	25.23	1.68	1.33
1	9-C	445	THR	C-N	25.23	1.68	1.33
1	10-C	445	THR	C-N	25.23	1.68	1.33
1	11-C	445	THR	C-N	25.23	1.68	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	12-C	445	THR	C-N	25.23	1.68	1.33
1	13-C	445	THR	C-N	25.23	1.68	1.33
1	14-C	445	THR	C-N	25.23	1.68	1.33
1	15-C	445	THR	C-N	25.23	1.68	1.33
1	16-C	445	THR	C-N	25.23	1.68	1.33
1	17-C	445	THR	C-N	25.23	1.68	1.33
1	18-C	445	THR	C-N	25.23	1.68	1.33
1	19-C	445	THR	C-N	25.23	1.68	1.33
1	20-C	445	THR	C-N	25.23	1.68	1.33
1	21-C	445	THR	C-N	25.23	1.68	1.33
1	22-C	445	THR	C-N	25.23	1.68	1.33
1	23-C	445	THR	C-N	25.23	1.68	1.33
1	24-C	445	THR	C-N	25.23	1.68	1.33
1	25-C	445	THR	C-N	25.23	1.68	1.33
1	26-C	445	THR	C-N	25.23	1.68	1.33
1	27-C	445	THR	C-N	25.23	1.68	1.33
1	28-C	445	THR	C-N	25.23	1.68	1.33
1	29-C	445	THR	C-N	25.23	1.68	1.33
1	30-C	445	THR	C-N	25.23	1.68	1.33
1	31-C	445	THR	C-N	25.23	1.68	1.33
1	32-C	445	THR	C-N	25.23	1.68	1.33
1	33-C	445	THR	C-N	25.23	1.68	1.33
1	34-C	445	THR	C-N	25.23	1.68	1.33
1	35-C	445	THR	C-N	25.23	1.68	1.33
1	36-C	445	THR	C-N	25.23	1.68	1.33
1	37-C	445	THR	C-N	25.23	1.68	1.33
1	38-C	445	THR	C-N	25.23	1.68	1.33
1	39-C	445	THR	C-N	25.23	1.68	1.33
1	40-C	445	THR	C-N	25.23	1.68	1.33
1	41-C	445	THR	C-N	25.23	1.68	1.33
1	42-C	445	THR	C-N	25.23	1.68	1.33
1	43-C	445	THR	C-N	25.23	1.68	1.33
1	1-C	507	TRP	C-N	24.03	1.67	1.33
1	2-C	507	TRP	C-N	24.03	1.67	1.33
1	3-C	507	TRP	C-N	24.03	1.67	1.33
1	4-C	507	TRP	C-N	24.03	1.67	1.33
1	5-C	507	TRP	C-N	24.03	1.67	1.33
1	6-C	507	TRP	C-N	24.03	1.67	1.33
1	7-C	507	TRP	C-N	24.03	1.67	1.33
1	8-C	507	TRP	C-N	24.03	1.67	1.33
1	9-C	507	TRP	C-N	24.03	1.67	1.33
1	10-C	507	TRP	C-N	24.03	1.67	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	11-C	507	TRP	C-N	24.03	1.67	1.33
1	12-C	507	TRP	C-N	24.03	1.67	1.33
1	13-C	507	TRP	C-N	24.03	1.67	1.33
1	14-C	507	TRP	C-N	24.03	1.67	1.33
1	15-C	507	TRP	C-N	24.03	1.67	1.33
1	16-C	507	TRP	C-N	24.03	1.67	1.33
1	17-C	507	TRP	C-N	24.03	1.67	1.33
1	18-C	507	TRP	C-N	24.03	1.67	1.33
1	19-C	507	TRP	C-N	24.03	1.67	1.33
1	20-C	507	TRP	C-N	24.03	1.67	1.33
1	21-C	507	TRP	C-N	24.03	1.67	1.33
1	22-C	507	TRP	C-N	24.03	1.67	1.33
1	23-C	507	TRP	C-N	24.03	1.67	1.33
1	24-C	507	TRP	C-N	24.03	1.67	1.33
1	25-C	507	TRP	C-N	24.03	1.67	1.33
1	26-C	507	TRP	C-N	24.03	1.67	1.33
1	27-C	507	TRP	C-N	24.03	1.67	1.33
1	28-C	507	TRP	C-N	24.03	1.67	1.33
1	29-C	507	TRP	C-N	24.03	1.67	1.33
1	30-C	507	TRP	C-N	24.03	1.67	1.33
1	31-C	507	TRP	C-N	24.03	1.67	1.33
1	32-C	507	TRP	C-N	24.03	1.67	1.33
1	33-C	507	TRP	C-N	24.03	1.67	1.33
1	34-C	507	TRP	C-N	24.03	1.67	1.33
1	35-C	507	TRP	C-N	24.03	1.67	1.33
1	36-C	507	TRP	C-N	24.03	1.67	1.33
1	37-C	507	TRP	C-N	24.03	1.67	1.33
1	38-C	507	TRP	C-N	24.03	1.67	1.33
1	39-C	507	TRP	C-N	24.03	1.67	1.33
1	40-C	507	TRP	C-N	24.03	1.67	1.33
1	41-C	507	TRP	C-N	24.03	1.67	1.33
1	42-C	507	TRP	C-N	24.03	1.67	1.33
1	43-C	507	TRP	C-N	24.03	1.67	1.33
1	1-C	120	CYS	C-N	21.66	1.60	1.33
1	2-C	120	CYS	C-N	21.66	1.60	1.33
1	3-C	120	CYS	C-N	21.66	1.60	1.33
1	4-C	120	CYS	C-N	21.66	1.60	1.33
1	5-C	120	CYS	C-N	21.66	1.60	1.33
1	6-C	120	CYS	C-N	21.66	1.60	1.33
1	7-C	120	CYS	C-N	21.66	1.60	1.33
1	8-C	120	CYS	C-N	21.66	1.60	1.33
1	9-C	120	CYS	C-N	21.66	1.60	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	10-C	120	CYS	C-N	21.66	1.60	1.33
1	11-C	120	CYS	C-N	21.66	1.60	1.33
1	12-C	120	CYS	C-N	21.66	1.60	1.33
1	13-C	120	CYS	C-N	21.66	1.60	1.33
1	14-C	120	CYS	C-N	21.66	1.60	1.33
1	15-C	120	CYS	C-N	21.66	1.60	1.33
1	16-C	120	CYS	C-N	21.66	1.60	1.33
1	17-C	120	CYS	C-N	21.66	1.60	1.33
1	18-C	120	CYS	C-N	21.66	1.60	1.33
1	19-C	120	CYS	C-N	21.66	1.60	1.33
1	20-C	120	CYS	C-N	21.66	1.60	1.33
1	21-C	120	CYS	C-N	21.66	1.60	1.33
1	22-C	120	CYS	C-N	21.66	1.60	1.33
1	23-C	120	CYS	C-N	21.66	1.60	1.33
1	24-C	120	CYS	C-N	21.66	1.60	1.33
1	25-C	120	CYS	C-N	21.66	1.60	1.33
1	26-C	120	CYS	C-N	21.66	1.60	1.33
1	27-C	120	CYS	C-N	21.66	1.60	1.33
1	28-C	120	CYS	C-N	21.66	1.60	1.33
1	29-C	120	CYS	C-N	21.66	1.60	1.33
1	30-C	120	CYS	C-N	21.66	1.60	1.33
1	31-C	120	CYS	C-N	21.66	1.60	1.33
1	32-C	120	CYS	C-N	21.66	1.60	1.33
1	33-C	120	CYS	C-N	21.66	1.60	1.33
1	34-C	120	CYS	C-N	21.66	1.60	1.33
1	35-C	120	CYS	C-N	21.66	1.60	1.33
1	36-C	120	CYS	C-N	21.66	1.60	1.33
1	37-C	120	CYS	C-N	21.66	1.60	1.33
1	38-C	120	CYS	C-N	21.66	1.60	1.33
1	39-C	120	CYS	C-N	21.66	1.60	1.33
1	40-C	120	CYS	C-N	21.66	1.60	1.33
1	41-C	120	CYS	C-N	21.66	1.60	1.33
1	42-C	120	CYS	C-N	21.66	1.60	1.33
1	43-C	120	CYS	C-N	21.66	1.60	1.33
1	1-C	505	ILE	C-N	-21.34	1.03	1.33
1	2-C	505	ILE	C-N	-21.34	1.03	1.33
1	3-C	505	ILE	C-N	-21.34	1.03	1.33
1	4-C	505	ILE	C-N	-21.34	1.03	1.33
1	5-C	505	ILE	C-N	-21.34	1.03	1.33
1	6-C	505	ILE	C-N	-21.34	1.03	1.33
1	7-C	505	ILE	C-N	-21.34	1.03	1.33
1	8-C	505	ILE	C-N	-21.34	1.03	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	9-C	505	ILE	C-N	-21.34	1.03	1.33
1	10-C	505	ILE	C-N	-21.34	1.03	1.33
1	11-C	505	ILE	C-N	-21.34	1.03	1.33
1	12-C	505	ILE	C-N	-21.34	1.03	1.33
1	13-C	505	ILE	C-N	-21.34	1.03	1.33
1	14-C	505	ILE	C-N	-21.34	1.03	1.33
1	15-C	505	ILE	C-N	-21.34	1.03	1.33
1	16-C	505	ILE	C-N	-21.34	1.03	1.33
1	17-C	505	ILE	C-N	-21.34	1.03	1.33
1	18-C	505	ILE	C-N	-21.34	1.03	1.33
1	19-C	505	ILE	C-N	-21.34	1.03	1.33
1	20-C	505	ILE	C-N	-21.34	1.03	1.33
1	21-C	505	ILE	C-N	-21.34	1.03	1.33
1	22-C	505	ILE	C-N	-21.34	1.03	1.33
1	23-C	505	ILE	C-N	-21.34	1.03	1.33
1	24-C	505	ILE	C-N	-21.34	1.03	1.33
1	25-C	505	ILE	C-N	-21.34	1.03	1.33
1	26-C	505	ILE	C-N	-21.34	1.03	1.33
1	27-C	505	ILE	C-N	-21.34	1.03	1.33
1	28-C	505	ILE	C-N	-21.34	1.03	1.33
1	29-C	505	ILE	C-N	-21.34	1.03	1.33
1	30-C	505	ILE	C-N	-21.34	1.03	1.33
1	31-C	505	ILE	C-N	-21.34	1.03	1.33
1	32-C	505	ILE	C-N	-21.34	1.03	1.33
1	33-C	505	ILE	C-N	-21.34	1.03	1.33
1	34-C	505	ILE	C-N	-21.34	1.03	1.33
1	35-C	505	ILE	C-N	-21.34	1.03	1.33
1	36-C	505	ILE	C-N	-21.34	1.03	1.33
1	37-C	505	ILE	C-N	-21.34	1.03	1.33
1	38-C	505	ILE	C-N	-21.34	1.03	1.33
1	39-C	505	ILE	C-N	-21.34	1.03	1.33
1	40-C	505	ILE	C-N	-21.34	1.03	1.33
1	41-C	505	ILE	C-N	-21.34	1.03	1.33
1	42-C	505	ILE	C-N	-21.34	1.03	1.33
1	43-C	505	ILE	C-N	-21.34	1.03	1.33
1	1-C	432	ASP	C-N	19.86	1.60	1.33
1	2-C	432	ASP	C-N	19.86	1.60	1.33
1	3-C	432	ASP	C-N	19.86	1.60	1.33
1	4-C	432	ASP	C-N	19.86	1.60	1.33
1	5-C	432	ASP	C-N	19.86	1.60	1.33
1	6-C	432	ASP	C-N	19.86	1.60	1.33
1	7-C	432	ASP	C-N	19.86	1.60	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	8-C	432	ASP	C-N	19.86	1.60	1.33
1	9-C	432	ASP	C-N	19.86	1.60	1.33
1	10-C	432	ASP	C-N	19.86	1.60	1.33
1	11-C	432	ASP	C-N	19.86	1.60	1.33
1	12-C	432	ASP	C-N	19.86	1.60	1.33
1	13-C	432	ASP	C-N	19.86	1.60	1.33
1	14-C	432	ASP	C-N	19.86	1.60	1.33
1	15-C	432	ASP	C-N	19.86	1.60	1.33
1	16-C	432	ASP	C-N	19.86	1.60	1.33
1	17-C	432	ASP	C-N	19.86	1.60	1.33
1	18-C	432	ASP	C-N	19.86	1.60	1.33
1	19-C	432	ASP	C-N	19.86	1.60	1.33
1	20-C	432	ASP	C-N	19.86	1.60	1.33
1	21-C	432	ASP	C-N	19.86	1.60	1.33
1	22-C	432	ASP	C-N	19.86	1.60	1.33
1	23-C	432	ASP	C-N	19.86	1.60	1.33
1	24-C	432	ASP	C-N	19.86	1.60	1.33
1	25-C	432	ASP	C-N	19.86	1.60	1.33
1	26-C	432	ASP	C-N	19.86	1.60	1.33
1	27-C	432	ASP	C-N	19.86	1.60	1.33
1	28-C	432	ASP	C-N	19.86	1.60	1.33
1	29-C	432	ASP	C-N	19.86	1.60	1.33
1	30-C	432	ASP	C-N	19.86	1.60	1.33
1	31-C	432	ASP	C-N	19.86	1.60	1.33
1	32-C	432	ASP	C-N	19.86	1.60	1.33
1	33-C	432	ASP	C-N	19.86	1.60	1.33
1	34-C	432	ASP	C-N	19.86	1.60	1.33
1	35-C	432	ASP	C-N	19.86	1.60	1.33
1	36-C	432	ASP	C-N	19.86	1.60	1.33
1	37-C	432	ASP	C-N	19.86	1.60	1.33
1	38-C	432	ASP	C-N	19.86	1.60	1.33
1	39-C	432	ASP	C-N	19.86	1.60	1.33
1	40-C	432	ASP	C-N	19.86	1.60	1.33
1	41-C	432	ASP	C-N	19.86	1.60	1.33
1	42-C	432	ASP	C-N	19.86	1.60	1.33
1	43-C	432	ASP	C-N	19.86	1.60	1.33
1	1-C	508	GLU	C-N	18.66	1.59	1.33
1	2-C	508	GLU	C-N	18.66	1.59	1.33
1	3-C	508	GLU	C-N	18.66	1.59	1.33
1	4-C	508	GLU	C-N	18.66	1.59	1.33
1	5-C	508	GLU	C-N	18.66	1.59	1.33
1	6-C	508	GLU	C-N	18.66	1.59	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7-C	508	GLU	C-N	18.66	1.59	1.33
1	8-C	508	GLU	C-N	18.66	1.59	1.33
1	9-C	508	GLU	C-N	18.66	1.59	1.33
1	10-C	508	GLU	C-N	18.66	1.59	1.33
1	11-C	508	GLU	C-N	18.66	1.59	1.33
1	12-C	508	GLU	C-N	18.66	1.59	1.33
1	13-C	508	GLU	C-N	18.66	1.59	1.33
1	14-C	508	GLU	C-N	18.66	1.59	1.33
1	15-C	508	GLU	C-N	18.66	1.59	1.33
1	16-C	508	GLU	C-N	18.66	1.59	1.33
1	17-C	508	GLU	C-N	18.66	1.59	1.33
1	18-C	508	GLU	C-N	18.66	1.59	1.33
1	19-C	508	GLU	C-N	18.66	1.59	1.33
1	20-C	508	GLU	C-N	18.66	1.59	1.33
1	21-C	508	GLU	C-N	18.66	1.59	1.33
1	22-C	508	GLU	C-N	18.66	1.59	1.33
1	23-C	508	GLU	C-N	18.66	1.59	1.33
1	24-C	508	GLU	C-N	18.66	1.59	1.33
1	25-C	508	GLU	C-N	18.66	1.59	1.33
1	26-C	508	GLU	C-N	18.66	1.59	1.33
1	27-C	508	GLU	C-N	18.66	1.59	1.33
1	28-C	508	GLU	C-N	18.66	1.59	1.33
1	29-C	508	GLU	C-N	18.66	1.59	1.33
1	30-C	508	GLU	C-N	18.66	1.59	1.33
1	31-C	508	GLU	C-N	18.66	1.59	1.33
1	32-C	508	GLU	C-N	18.66	1.59	1.33
1	33-C	508	GLU	C-N	18.66	1.59	1.33
1	34-C	508	GLU	C-N	18.66	1.59	1.33
1	35-C	508	GLU	C-N	18.66	1.59	1.33
1	36-C	508	GLU	C-N	18.66	1.59	1.33
1	37-C	508	GLU	C-N	18.66	1.59	1.33
1	38-C	508	GLU	C-N	18.66	1.59	1.33
1	39-C	508	GLU	C-N	18.66	1.59	1.33
1	40-C	508	GLU	C-N	18.66	1.59	1.33
1	41-C	508	GLU	C-N	18.66	1.59	1.33
1	42-C	508	GLU	C-N	18.66	1.59	1.33
1	43-C	508	GLU	C-N	18.66	1.59	1.33
1	1-C	233	LYS	C-N	-18.23	1.09	1.33
1	2-C	233	LYS	C-N	-18.23	1.09	1.33
1	3-C	233	LYS	C-N	-18.23	1.09	1.33
1	4-C	233	LYS	C-N	-18.23	1.09	1.33
1	5-C	233	LYS	C-N	-18.23	1.09	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	6-C	233	LYS	C-N	-18.23	1.09	1.33
1	7-C	233	LYS	C-N	-18.23	1.09	1.33
1	8-C	233	LYS	C-N	-18.23	1.09	1.33
1	9-C	233	LYS	C-N	-18.23	1.09	1.33
1	10-C	233	LYS	C-N	-18.23	1.09	1.33
1	11-C	233	LYS	C-N	-18.23	1.09	1.33
1	12-C	233	LYS	C-N	-18.23	1.09	1.33
1	13-C	233	LYS	C-N	-18.23	1.09	1.33
1	14-C	233	LYS	C-N	-18.23	1.09	1.33
1	15-C	233	LYS	C-N	-18.23	1.09	1.33
1	16-C	233	LYS	C-N	-18.23	1.09	1.33
1	17-C	233	LYS	C-N	-18.23	1.09	1.33
1	18-C	233	LYS	C-N	-18.23	1.09	1.33
1	19-C	233	LYS	C-N	-18.23	1.09	1.33
1	20-C	233	LYS	C-N	-18.23	1.09	1.33
1	21-C	233	LYS	C-N	-18.23	1.09	1.33
1	22-C	233	LYS	C-N	-18.23	1.09	1.33
1	23-C	233	LYS	C-N	-18.23	1.09	1.33
1	24-C	233	LYS	C-N	-18.23	1.09	1.33
1	25-C	233	LYS	C-N	-18.23	1.09	1.33
1	26-C	233	LYS	C-N	-18.23	1.09	1.33
1	27-C	233	LYS	C-N	-18.23	1.09	1.33
1	28-C	233	LYS	C-N	-18.23	1.09	1.33
1	29-C	233	LYS	C-N	-18.23	1.09	1.33
1	30-C	233	LYS	C-N	-18.23	1.09	1.33
1	31-C	233	LYS	C-N	-18.23	1.09	1.33
1	32-C	233	LYS	C-N	-18.23	1.09	1.33
1	33-C	233	LYS	C-N	-18.23	1.09	1.33
1	34-C	233	LYS	C-N	-18.23	1.09	1.33
1	35-C	233	LYS	C-N	-18.23	1.09	1.33
1	36-C	233	LYS	C-N	-18.23	1.09	1.33
1	37-C	233	LYS	C-N	-18.23	1.09	1.33
1	38-C	233	LYS	C-N	-18.23	1.09	1.33
1	39-C	233	LYS	C-N	-18.23	1.09	1.33
1	40-C	233	LYS	C-N	-18.23	1.09	1.33
1	41-C	233	LYS	C-N	-18.23	1.09	1.33
1	42-C	233	LYS	C-N	-18.23	1.09	1.33
1	43-C	233	LYS	C-N	-18.23	1.09	1.33
1	1-C	691	LEU	C-N	17.53	1.56	1.33
1	2-C	691	LEU	C-N	17.53	1.56	1.33
1	3-C	691	LEU	C-N	17.53	1.56	1.33
1	4-C	691	LEU	C-N	17.53	1.56	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5-C	691	LEU	C-N	17.53	1.56	1.33
1	6-C	691	LEU	C-N	17.53	1.56	1.33
1	7-C	691	LEU	C-N	17.53	1.56	1.33
1	8-C	691	LEU	C-N	17.53	1.56	1.33
1	9-C	691	LEU	C-N	17.53	1.56	1.33
1	10-C	691	LEU	C-N	17.53	1.56	1.33
1	11-C	691	LEU	C-N	17.53	1.56	1.33
1	12-C	691	LEU	C-N	17.53	1.56	1.33
1	13-C	691	LEU	C-N	17.53	1.56	1.33
1	14-C	691	LEU	C-N	17.53	1.56	1.33
1	15-C	691	LEU	C-N	17.53	1.56	1.33
1	16-C	691	LEU	C-N	17.53	1.56	1.33
1	17-C	691	LEU	C-N	17.53	1.56	1.33
1	18-C	691	LEU	C-N	17.53	1.56	1.33
1	19-C	691	LEU	C-N	17.53	1.56	1.33
1	20-C	691	LEU	C-N	17.53	1.56	1.33
1	21-C	691	LEU	C-N	17.53	1.56	1.33
1	22-C	691	LEU	C-N	17.53	1.56	1.33
1	23-C	691	LEU	C-N	17.53	1.56	1.33
1	24-C	691	LEU	C-N	17.53	1.56	1.33
1	25-C	691	LEU	C-N	17.53	1.56	1.33
1	26-C	691	LEU	C-N	17.53	1.56	1.33
1	27-C	691	LEU	C-N	17.53	1.56	1.33
1	28-C	691	LEU	C-N	17.53	1.56	1.33
1	29-C	691	LEU	C-N	17.53	1.56	1.33
1	30-C	691	LEU	C-N	17.53	1.56	1.33
1	31-C	691	LEU	C-N	17.53	1.56	1.33
1	32-C	691	LEU	C-N	17.53	1.56	1.33
1	33-C	691	LEU	C-N	17.53	1.56	1.33
1	34-C	691	LEU	C-N	17.53	1.56	1.33
1	35-C	691	LEU	C-N	17.53	1.56	1.33
1	36-C	691	LEU	C-N	17.53	1.56	1.33
1	37-C	691	LEU	C-N	17.53	1.56	1.33
1	38-C	691	LEU	C-N	17.53	1.56	1.33
1	39-C	691	LEU	C-N	17.53	1.56	1.33
1	40-C	691	LEU	C-N	17.53	1.56	1.33
1	41-C	691	LEU	C-N	17.53	1.56	1.33
1	42-C	691	LEU	C-N	17.53	1.56	1.33
1	43-C	691	LEU	C-N	17.53	1.56	1.33
1	1-C	356	LEU	C-N	16.64	1.56	1.33
1	2-C	356	LEU	C-N	16.64	1.56	1.33
1	3-C	356	LEU	C-N	16.64	1.56	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4-C	356	LEU	C-N	16.64	1.56	1.33
1	5-C	356	LEU	C-N	16.64	1.56	1.33
1	6-C	356	LEU	C-N	16.64	1.56	1.33
1	7-C	356	LEU	C-N	16.64	1.56	1.33
1	8-C	356	LEU	C-N	16.64	1.56	1.33
1	9-C	356	LEU	C-N	16.64	1.56	1.33
1	10-C	356	LEU	C-N	16.64	1.56	1.33
1	11-C	356	LEU	C-N	16.64	1.56	1.33
1	12-C	356	LEU	C-N	16.64	1.56	1.33
1	13-C	356	LEU	C-N	16.64	1.56	1.33
1	14-C	356	LEU	C-N	16.64	1.56	1.33
1	15-C	356	LEU	C-N	16.64	1.56	1.33
1	16-C	356	LEU	C-N	16.64	1.56	1.33
1	17-C	356	LEU	C-N	16.64	1.56	1.33
1	18-C	356	LEU	C-N	16.64	1.56	1.33
1	19-C	356	LEU	C-N	16.64	1.56	1.33
1	20-C	356	LEU	C-N	16.64	1.56	1.33
1	21-C	356	LEU	C-N	16.64	1.56	1.33
1	22-C	356	LEU	C-N	16.64	1.56	1.33
1	23-C	356	LEU	C-N	16.64	1.56	1.33
1	24-C	356	LEU	C-N	16.64	1.56	1.33
1	25-C	356	LEU	C-N	16.64	1.56	1.33
1	26-C	356	LEU	C-N	16.64	1.56	1.33
1	27-C	356	LEU	C-N	16.64	1.56	1.33
1	28-C	356	LEU	C-N	16.64	1.56	1.33
1	29-C	356	LEU	C-N	16.64	1.56	1.33
1	30-C	356	LEU	C-N	16.64	1.56	1.33
1	31-C	356	LEU	C-N	16.64	1.56	1.33
1	32-C	356	LEU	C-N	16.64	1.56	1.33
1	33-C	356	LEU	C-N	16.64	1.56	1.33
1	34-C	356	LEU	C-N	16.64	1.56	1.33
1	35-C	356	LEU	C-N	16.64	1.56	1.33
1	36-C	356	LEU	C-N	16.64	1.56	1.33
1	37-C	356	LEU	C-N	16.64	1.56	1.33
1	38-C	356	LEU	C-N	16.64	1.56	1.33
1	39-C	356	LEU	C-N	16.64	1.56	1.33
1	40-C	356	LEU	C-N	16.64	1.56	1.33
1	41-C	356	LEU	C-N	16.64	1.56	1.33
1	42-C	356	LEU	C-N	16.64	1.56	1.33
1	43-C	356	LEU	C-N	16.64	1.56	1.33
1	1-C	802	GLN	C-N	-16.42	1.10	1.33
1	2-C	802	GLN	C-N	-16.42	1.10	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	3-C	802	GLN	C-N	-16.42	1.10	1.33
1	4-C	802	GLN	C-N	-16.42	1.10	1.33
1	5-C	802	GLN	C-N	-16.42	1.10	1.33
1	6-C	802	GLN	C-N	-16.42	1.10	1.33
1	7-C	802	GLN	C-N	-16.42	1.10	1.33
1	8-C	802	GLN	C-N	-16.42	1.10	1.33
1	9-C	802	GLN	C-N	-16.42	1.10	1.33
1	10-C	802	GLN	C-N	-16.42	1.10	1.33
1	11-C	802	GLN	C-N	-16.42	1.10	1.33
1	12-C	802	GLN	C-N	-16.42	1.10	1.33
1	13-C	802	GLN	C-N	-16.42	1.10	1.33
1	14-C	802	GLN	C-N	-16.42	1.10	1.33
1	15-C	802	GLN	C-N	-16.42	1.10	1.33
1	16-C	802	GLN	C-N	-16.42	1.10	1.33
1	17-C	802	GLN	C-N	-16.42	1.10	1.33
1	18-C	802	GLN	C-N	-16.42	1.10	1.33
1	19-C	802	GLN	C-N	-16.42	1.10	1.33
1	20-C	802	GLN	C-N	-16.42	1.10	1.33
1	21-C	802	GLN	C-N	-16.42	1.10	1.33
1	22-C	802	GLN	C-N	-16.42	1.10	1.33
1	23-C	802	GLN	C-N	-16.42	1.10	1.33
1	24-C	802	GLN	C-N	-16.42	1.10	1.33
1	25-C	802	GLN	C-N	-16.42	1.10	1.33
1	26-C	802	GLN	C-N	-16.42	1.10	1.33
1	27-C	802	GLN	C-N	-16.42	1.10	1.33
1	28-C	802	GLN	C-N	-16.42	1.10	1.33
1	29-C	802	GLN	C-N	-16.42	1.10	1.33
1	30-C	802	GLN	C-N	-16.42	1.10	1.33
1	31-C	802	GLN	C-N	-16.42	1.10	1.33
1	32-C	802	GLN	C-N	-16.42	1.10	1.33
1	33-C	802	GLN	C-N	-16.42	1.10	1.33
1	34-C	802	GLN	C-N	-16.42	1.10	1.33
1	35-C	802	GLN	C-N	-16.42	1.10	1.33
1	36-C	802	GLN	C-N	-16.42	1.10	1.33
1	37-C	802	GLN	C-N	-16.42	1.10	1.33
1	38-C	802	GLN	C-N	-16.42	1.10	1.33
1	39-C	802	GLN	C-N	-16.42	1.10	1.33
1	40-C	802	GLN	C-N	-16.42	1.10	1.33
1	41-C	802	GLN	C-N	-16.42	1.10	1.33
1	42-C	802	GLN	C-N	-16.42	1.10	1.33
1	43-C	802	GLN	C-N	-16.42	1.10	1.33
2	1-Y	84	ASP	C-N	15.65	1.55	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	2-Y	84	ASP	C-N	15.65	1.55	1.33
2	3-Y	84	ASP	C-N	15.65	1.55	1.33
2	4-Y	84	ASP	C-N	15.65	1.55	1.33
2	5-Y	84	ASP	C-N	15.65	1.55	1.33
2	6-Y	84	ASP	C-N	15.65	1.55	1.33
2	7-Y	84	ASP	C-N	15.65	1.55	1.33
2	8-Y	84	ASP	C-N	15.65	1.55	1.33
2	9-Y	84	ASP	C-N	15.65	1.55	1.33
2	10-Y	84	ASP	C-N	15.65	1.55	1.33
2	11-Y	84	ASP	C-N	15.65	1.55	1.33
2	12-Y	84	ASP	C-N	15.65	1.55	1.33
2	13-Y	84	ASP	C-N	15.65	1.55	1.33
2	14-Y	84	ASP	C-N	15.65	1.55	1.33
2	15-Y	84	ASP	C-N	15.65	1.55	1.33
2	16-Y	84	ASP	C-N	15.65	1.55	1.33
2	17-Y	84	ASP	C-N	15.65	1.55	1.33
2	18-Y	84	ASP	C-N	15.65	1.55	1.33
2	19-Y	84	ASP	C-N	15.65	1.55	1.33
2	20-Y	84	ASP	C-N	15.65	1.55	1.33
2	21-Y	84	ASP	C-N	15.65	1.55	1.33
2	22-Y	84	ASP	C-N	15.65	1.55	1.33
2	23-Y	84	ASP	C-N	15.65	1.55	1.33
2	24-Y	84	ASP	C-N	15.65	1.55	1.33
2	25-Y	84	ASP	C-N	15.65	1.55	1.33
2	26-Y	84	ASP	C-N	15.65	1.55	1.33
2	27-Y	84	ASP	C-N	15.65	1.55	1.33
2	28-Y	84	ASP	C-N	15.65	1.55	1.33
2	29-Y	84	ASP	C-N	15.65	1.55	1.33
2	30-Y	84	ASP	C-N	15.65	1.55	1.33
2	31-Y	84	ASP	C-N	15.65	1.55	1.33
2	32-Y	84	ASP	C-N	15.65	1.55	1.33
2	33-Y	84	ASP	C-N	15.65	1.55	1.33
2	34-Y	84	ASP	C-N	15.65	1.55	1.33
2	35-Y	84	ASP	C-N	15.65	1.55	1.33
2	36-Y	84	ASP	C-N	15.65	1.55	1.33
2	37-Y	84	ASP	C-N	15.65	1.55	1.33
2	38-Y	84	ASP	C-N	15.65	1.55	1.33
2	39-Y	84	ASP	C-N	15.65	1.55	1.33
2	40-Y	84	ASP	C-N	15.65	1.55	1.33
2	41-Y	84	ASP	C-N	15.65	1.55	1.33
2	42-Y	84	ASP	C-N	15.65	1.55	1.33
2	43-Y	84	ASP	C-N	15.65	1.55	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1-C	235	THR	C-N	-12.39	1.17	1.33
1	2-C	235	THR	C-N	-12.39	1.17	1.33
1	3-C	235	THR	C-N	-12.39	1.17	1.33
1	4-C	235	THR	C-N	-12.39	1.17	1.33
1	5-C	235	THR	C-N	-12.39	1.17	1.33
1	6-C	235	THR	C-N	-12.39	1.17	1.33
1	7-C	235	THR	C-N	-12.39	1.17	1.33
1	8-C	235	THR	C-N	-12.39	1.17	1.33
1	9-C	235	THR	C-N	-12.39	1.17	1.33
1	10-C	235	THR	C-N	-12.39	1.17	1.33
1	11-C	235	THR	C-N	-12.39	1.17	1.33
1	12-C	235	THR	C-N	-12.39	1.17	1.33
1	13-C	235	THR	C-N	-12.39	1.17	1.33
1	14-C	235	THR	C-N	-12.39	1.17	1.33
1	15-C	235	THR	C-N	-12.39	1.17	1.33
1	16-C	235	THR	C-N	-12.39	1.17	1.33
1	17-C	235	THR	C-N	-12.39	1.17	1.33
1	18-C	235	THR	C-N	-12.39	1.17	1.33
1	19-C	235	THR	C-N	-12.39	1.17	1.33
1	20-C	235	THR	C-N	-12.39	1.17	1.33
1	21-C	235	THR	C-N	-12.39	1.17	1.33
1	22-C	235	THR	C-N	-12.39	1.17	1.33
1	23-C	235	THR	C-N	-12.39	1.17	1.33
1	24-C	235	THR	C-N	-12.39	1.17	1.33
1	25-C	235	THR	C-N	-12.39	1.17	1.33
1	26-C	235	THR	C-N	-12.39	1.17	1.33
1	27-C	235	THR	C-N	-12.39	1.17	1.33
1	28-C	235	THR	C-N	-12.39	1.17	1.33
1	29-C	235	THR	C-N	-12.39	1.17	1.33
1	30-C	235	THR	C-N	-12.39	1.17	1.33
1	31-C	235	THR	C-N	-12.39	1.17	1.33
1	32-C	235	THR	C-N	-12.39	1.17	1.33
1	33-C	235	THR	C-N	-12.39	1.17	1.33
1	34-C	235	THR	C-N	-12.39	1.17	1.33
1	35-C	235	THR	C-N	-12.39	1.17	1.33
1	36-C	235	THR	C-N	-12.39	1.17	1.33
1	37-C	235	THR	C-N	-12.39	1.17	1.33
1	38-C	235	THR	C-N	-12.39	1.17	1.33
1	39-C	235	THR	C-N	-12.39	1.17	1.33
1	40-C	235	THR	C-N	-12.39	1.17	1.33
1	41-C	235	THR	C-N	-12.39	1.17	1.33
1	42-C	235	THR	C-N	-12.39	1.17	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	43-C	235	THR	C-N	-12.39	1.17	1.33
1	1-C	76	SER	C-N	-11.00	1.19	1.33
1	2-C	76	SER	C-N	-11.00	1.19	1.33
1	3-C	76	SER	C-N	-11.00	1.19	1.33
1	4-C	76	SER	C-N	-11.00	1.19	1.33
1	5-C	76	SER	C-N	-11.00	1.19	1.33
1	6-C	76	SER	C-N	-11.00	1.19	1.33
1	7-C	76	SER	C-N	-11.00	1.19	1.33
1	8-C	76	SER	C-N	-11.00	1.19	1.33
1	9-C	76	SER	C-N	-11.00	1.19	1.33
1	10-C	76	SER	C-N	-11.00	1.19	1.33
1	11-C	76	SER	C-N	-11.00	1.19	1.33
1	12-C	76	SER	C-N	-11.00	1.19	1.33
1	13-C	76	SER	C-N	-11.00	1.19	1.33
1	14-C	76	SER	C-N	-11.00	1.19	1.33
1	15-C	76	SER	C-N	-11.00	1.19	1.33
1	16-C	76	SER	C-N	-11.00	1.19	1.33
1	17-C	76	SER	C-N	-11.00	1.19	1.33
1	18-C	76	SER	C-N	-11.00	1.19	1.33
1	19-C	76	SER	C-N	-11.00	1.19	1.33
1	20-C	76	SER	C-N	-11.00	1.19	1.33
1	21-C	76	SER	C-N	-11.00	1.19	1.33
1	22-C	76	SER	C-N	-11.00	1.19	1.33
1	23-C	76	SER	C-N	-11.00	1.19	1.33
1	24-C	76	SER	C-N	-11.00	1.19	1.33
1	25-C	76	SER	C-N	-11.00	1.19	1.33
1	26-C	76	SER	C-N	-11.00	1.19	1.33
1	27-C	76	SER	C-N	-11.00	1.19	1.33
1	28-C	76	SER	C-N	-11.00	1.19	1.33
1	29-C	76	SER	C-N	-11.00	1.19	1.33
1	30-C	76	SER	C-N	-11.00	1.19	1.33
1	31-C	76	SER	C-N	-11.00	1.19	1.33
1	32-C	76	SER	C-N	-11.00	1.19	1.33
1	33-C	76	SER	C-N	-11.00	1.19	1.33
1	34-C	76	SER	C-N	-11.00	1.19	1.33
1	35-C	76	SER	C-N	-11.00	1.19	1.33
1	36-C	76	SER	C-N	-11.00	1.19	1.33
1	37-C	76	SER	C-N	-11.00	1.19	1.33
1	38-C	76	SER	C-N	-11.00	1.19	1.33
1	39-C	76	SER	C-N	-11.00	1.19	1.33
1	40-C	76	SER	C-N	-11.00	1.19	1.33
1	41-C	76	SER	C-N	-11.00	1.19	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	42-C	76	SER	C-N	-11.00	1.19	1.33
1	43-C	76	SER	C-N	-11.00	1.19	1.33
1	1-C	501	LYS	C-N	-10.28	1.19	1.33
1	2-C	501	LYS	C-N	-10.28	1.19	1.33
1	3-C	501	LYS	C-N	-10.28	1.19	1.33
1	4-C	501	LYS	C-N	-10.28	1.19	1.33
1	5-C	501	LYS	C-N	-10.28	1.19	1.33
1	6-C	501	LYS	C-N	-10.28	1.19	1.33
1	7-C	501	LYS	C-N	-10.28	1.19	1.33
1	8-C	501	LYS	C-N	-10.28	1.19	1.33
1	9-C	501	LYS	C-N	-10.28	1.19	1.33
1	10-C	501	LYS	C-N	-10.28	1.19	1.33
1	11-C	501	LYS	C-N	-10.28	1.19	1.33
1	12-C	501	LYS	C-N	-10.28	1.19	1.33
1	13-C	501	LYS	C-N	-10.28	1.19	1.33
1	14-C	501	LYS	C-N	-10.28	1.19	1.33
1	15-C	501	LYS	C-N	-10.28	1.19	1.33
1	16-C	501	LYS	C-N	-10.28	1.19	1.33
1	17-C	501	LYS	C-N	-10.28	1.19	1.33
1	18-C	501	LYS	C-N	-10.28	1.19	1.33
1	19-C	501	LYS	C-N	-10.28	1.19	1.33
1	20-C	501	LYS	C-N	-10.28	1.19	1.33
1	21-C	501	LYS	C-N	-10.28	1.19	1.33
1	22-C	501	LYS	C-N	-10.28	1.19	1.33
1	23-C	501	LYS	C-N	-10.28	1.19	1.33
1	24-C	501	LYS	C-N	-10.28	1.19	1.33
1	25-C	501	LYS	C-N	-10.28	1.19	1.33
1	26-C	501	LYS	C-N	-10.28	1.19	1.33
1	27-C	501	LYS	C-N	-10.28	1.19	1.33
1	28-C	501	LYS	C-N	-10.28	1.19	1.33
1	29-C	501	LYS	C-N	-10.28	1.19	1.33
1	30-C	501	LYS	C-N	-10.28	1.19	1.33
1	31-C	501	LYS	C-N	-10.28	1.19	1.33
1	32-C	501	LYS	C-N	-10.28	1.19	1.33
1	33-C	501	LYS	C-N	-10.28	1.19	1.33
1	34-C	501	LYS	C-N	-10.28	1.19	1.33
1	35-C	501	LYS	C-N	-10.28	1.19	1.33
1	36-C	501	LYS	C-N	-10.28	1.19	1.33
1	37-C	501	LYS	C-N	-10.28	1.19	1.33
1	38-C	501	LYS	C-N	-10.28	1.19	1.33
1	39-C	501	LYS	C-N	-10.28	1.19	1.33
1	40-C	501	LYS	C-N	-10.28	1.19	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	41-C	501	LYS	C-N	-10.28	1.19	1.33
1	42-C	501	LYS	C-N	-10.28	1.19	1.33
1	43-C	501	LYS	C-N	-10.28	1.19	1.33
1	1-C	115	TYR	C-N	8.85	1.44	1.33
1	2-C	115	TYR	C-N	8.85	1.44	1.33
1	3-C	115	TYR	C-N	8.85	1.44	1.33
1	4-C	115	TYR	C-N	8.85	1.44	1.33
1	5-C	115	TYR	C-N	8.85	1.44	1.33
1	6-C	115	TYR	C-N	8.85	1.44	1.33
1	7-C	115	TYR	C-N	8.85	1.44	1.33
1	8-C	115	TYR	C-N	8.85	1.44	1.33
1	9-C	115	TYR	C-N	8.85	1.44	1.33
1	10-C	115	TYR	C-N	8.85	1.44	1.33
1	11-C	115	TYR	C-N	8.85	1.44	1.33
1	12-C	115	TYR	C-N	8.85	1.44	1.33
1	13-C	115	TYR	C-N	8.85	1.44	1.33
1	14-C	115	TYR	C-N	8.85	1.44	1.33
1	15-C	115	TYR	C-N	8.85	1.44	1.33
1	16-C	115	TYR	C-N	8.85	1.44	1.33
1	17-C	115	TYR	C-N	8.85	1.44	1.33
1	18-C	115	TYR	C-N	8.85	1.44	1.33
1	19-C	115	TYR	C-N	8.85	1.44	1.33
1	20-C	115	TYR	C-N	8.85	1.44	1.33
1	21-C	115	TYR	C-N	8.85	1.44	1.33
1	22-C	115	TYR	C-N	8.85	1.44	1.33
1	23-C	115	TYR	C-N	8.85	1.44	1.33
1	24-C	115	TYR	C-N	8.85	1.44	1.33
1	25-C	115	TYR	C-N	8.85	1.44	1.33
1	26-C	115	TYR	C-N	8.85	1.44	1.33
1	27-C	115	TYR	C-N	8.85	1.44	1.33
1	28-C	115	TYR	C-N	8.85	1.44	1.33
1	29-C	115	TYR	C-N	8.85	1.44	1.33
1	30-C	115	TYR	C-N	8.85	1.44	1.33
1	31-C	115	TYR	C-N	8.85	1.44	1.33
1	32-C	115	TYR	C-N	8.85	1.44	1.33
1	33-C	115	TYR	C-N	8.85	1.44	1.33
1	34-C	115	TYR	C-N	8.85	1.44	1.33
1	35-C	115	TYR	C-N	8.85	1.44	1.33
1	36-C	115	TYR	C-N	8.85	1.44	1.33
1	37-C	115	TYR	C-N	8.85	1.44	1.33
1	38-C	115	TYR	C-N	8.85	1.44	1.33
1	39-C	115	TYR	C-N	8.85	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	40-C	115	TYR	C-N	8.85	1.44	1.33
1	41-C	115	TYR	C-N	8.85	1.44	1.33
1	42-C	115	TYR	C-N	8.85	1.44	1.33
1	43-C	115	TYR	C-N	8.85	1.44	1.33
1	1-C	506	ALA	C-N	-8.68	1.21	1.33
1	2-C	506	ALA	C-N	-8.68	1.21	1.33
1	3-C	506	ALA	C-N	-8.68	1.21	1.33
1	4-C	506	ALA	C-N	-8.68	1.21	1.33
1	5-C	506	ALA	C-N	-8.68	1.21	1.33
1	6-C	506	ALA	C-N	-8.68	1.21	1.33
1	7-C	506	ALA	C-N	-8.68	1.21	1.33
1	8-C	506	ALA	C-N	-8.68	1.21	1.33
1	9-C	506	ALA	C-N	-8.68	1.21	1.33
1	10-C	506	ALA	C-N	-8.68	1.21	1.33
1	11-C	506	ALA	C-N	-8.68	1.21	1.33
1	12-C	506	ALA	C-N	-8.68	1.21	1.33
1	13-C	506	ALA	C-N	-8.68	1.21	1.33
1	14-C	506	ALA	C-N	-8.68	1.21	1.33
1	15-C	506	ALA	C-N	-8.68	1.21	1.33
1	16-C	506	ALA	C-N	-8.68	1.21	1.33
1	17-C	506	ALA	C-N	-8.68	1.21	1.33
1	18-C	506	ALA	C-N	-8.68	1.21	1.33
1	19-C	506	ALA	C-N	-8.68	1.21	1.33
1	20-C	506	ALA	C-N	-8.68	1.21	1.33
1	21-C	506	ALA	C-N	-8.68	1.21	1.33
1	22-C	506	ALA	C-N	-8.68	1.21	1.33
1	23-C	506	ALA	C-N	-8.68	1.21	1.33
1	24-C	506	ALA	C-N	-8.68	1.21	1.33
1	25-C	506	ALA	C-N	-8.68	1.21	1.33
1	26-C	506	ALA	C-N	-8.68	1.21	1.33
1	27-C	506	ALA	C-N	-8.68	1.21	1.33
1	28-C	506	ALA	C-N	-8.68	1.21	1.33
1	29-C	506	ALA	C-N	-8.68	1.21	1.33
1	30-C	506	ALA	C-N	-8.68	1.21	1.33
1	31-C	506	ALA	C-N	-8.68	1.21	1.33
1	32-C	506	ALA	C-N	-8.68	1.21	1.33
1	33-C	506	ALA	C-N	-8.68	1.21	1.33
1	34-C	506	ALA	C-N	-8.68	1.21	1.33
1	35-C	506	ALA	C-N	-8.68	1.21	1.33
1	36-C	506	ALA	C-N	-8.68	1.21	1.33
1	37-C	506	ALA	C-N	-8.68	1.21	1.33
1	38-C	506	ALA	C-N	-8.68	1.21	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	39-C	506	ALA	C-N	-8.68	1.21	1.33
1	40-C	506	ALA	C-N	-8.68	1.21	1.33
1	41-C	506	ALA	C-N	-8.68	1.21	1.33
1	42-C	506	ALA	C-N	-8.68	1.21	1.33
1	43-C	506	ALA	C-N	-8.68	1.21	1.33
1	1-C	775	ASP	C-N	-8.44	1.23	1.33
1	2-C	775	ASP	C-N	-8.44	1.23	1.33
1	3-C	775	ASP	C-N	-8.44	1.23	1.33
1	4-C	775	ASP	C-N	-8.44	1.23	1.33
1	5-C	775	ASP	C-N	-8.44	1.23	1.33
1	6-C	775	ASP	C-N	-8.44	1.23	1.33
1	7-C	775	ASP	C-N	-8.44	1.23	1.33
1	8-C	775	ASP	C-N	-8.44	1.23	1.33
1	9-C	775	ASP	C-N	-8.44	1.23	1.33
1	10-C	775	ASP	C-N	-8.44	1.23	1.33
1	11-C	775	ASP	C-N	-8.44	1.23	1.33
1	12-C	775	ASP	C-N	-8.44	1.23	1.33
1	13-C	775	ASP	C-N	-8.44	1.23	1.33
1	14-C	775	ASP	C-N	-8.44	1.23	1.33
1	15-C	775	ASP	C-N	-8.44	1.23	1.33
1	16-C	775	ASP	C-N	-8.44	1.23	1.33
1	17-C	775	ASP	C-N	-8.44	1.23	1.33
1	18-C	775	ASP	C-N	-8.44	1.23	1.33
1	19-C	775	ASP	C-N	-8.44	1.23	1.33
1	20-C	775	ASP	C-N	-8.44	1.23	1.33
1	21-C	775	ASP	C-N	-8.44	1.23	1.33
1	22-C	775	ASP	C-N	-8.44	1.23	1.33
1	23-C	775	ASP	C-N	-8.44	1.23	1.33
1	24-C	775	ASP	C-N	-8.44	1.23	1.33
1	25-C	775	ASP	C-N	-8.44	1.23	1.33
1	26-C	775	ASP	C-N	-8.44	1.23	1.33
1	27-C	775	ASP	C-N	-8.44	1.23	1.33
1	28-C	775	ASP	C-N	-8.44	1.23	1.33
1	29-C	775	ASP	C-N	-8.44	1.23	1.33
1	30-C	775	ASP	C-N	-8.44	1.23	1.33
1	31-C	775	ASP	C-N	-8.44	1.23	1.33
1	32-C	775	ASP	C-N	-8.44	1.23	1.33
1	33-C	775	ASP	C-N	-8.44	1.23	1.33
1	34-C	775	ASP	C-N	-8.44	1.23	1.33
1	35-C	775	ASP	C-N	-8.44	1.23	1.33
1	36-C	775	ASP	C-N	-8.44	1.23	1.33
1	37-C	775	ASP	C-N	-8.44	1.23	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	38-C	775	ASP	C-N	-8.44	1.23	1.33
1	39-C	775	ASP	C-N	-8.44	1.23	1.33
1	40-C	775	ASP	C-N	-8.44	1.23	1.33
1	41-C	775	ASP	C-N	-8.44	1.23	1.33
1	42-C	775	ASP	C-N	-8.44	1.23	1.33
1	43-C	775	ASP	C-N	-8.44	1.23	1.33
1	1-C	502	LYS	C-N	8.00	1.44	1.33
1	2-C	502	LYS	C-N	8.00	1.44	1.33
1	3-C	502	LYS	C-N	8.00	1.44	1.33
1	4-C	502	LYS	C-N	8.00	1.44	1.33
1	5-C	502	LYS	C-N	8.00	1.44	1.33
1	6-C	502	LYS	C-N	8.00	1.44	1.33
1	7-C	502	LYS	C-N	8.00	1.44	1.33
1	8-C	502	LYS	C-N	8.00	1.44	1.33
1	9-C	502	LYS	C-N	8.00	1.44	1.33
1	10-C	502	LYS	C-N	8.00	1.44	1.33
1	11-C	502	LYS	C-N	8.00	1.44	1.33
1	12-C	502	LYS	C-N	8.00	1.44	1.33
1	13-C	502	LYS	C-N	8.00	1.44	1.33
1	14-C	502	LYS	C-N	8.00	1.44	1.33
1	15-C	502	LYS	C-N	8.00	1.44	1.33
1	16-C	502	LYS	C-N	8.00	1.44	1.33
1	17-C	502	LYS	C-N	8.00	1.44	1.33
1	18-C	502	LYS	C-N	8.00	1.44	1.33
1	19-C	502	LYS	C-N	8.00	1.44	1.33
1	20-C	502	LYS	C-N	8.00	1.44	1.33
1	21-C	502	LYS	C-N	8.00	1.44	1.33
1	22-C	502	LYS	C-N	8.00	1.44	1.33
1	23-C	502	LYS	C-N	8.00	1.44	1.33
1	24-C	502	LYS	C-N	8.00	1.44	1.33
1	25-C	502	LYS	C-N	8.00	1.44	1.33
1	26-C	502	LYS	C-N	8.00	1.44	1.33
1	27-C	502	LYS	C-N	8.00	1.44	1.33
1	28-C	502	LYS	C-N	8.00	1.44	1.33
1	29-C	502	LYS	C-N	8.00	1.44	1.33
1	30-C	502	LYS	C-N	8.00	1.44	1.33
1	31-C	502	LYS	C-N	8.00	1.44	1.33
1	32-C	502	LYS	C-N	8.00	1.44	1.33
1	33-C	502	LYS	C-N	8.00	1.44	1.33
1	34-C	502	LYS	C-N	8.00	1.44	1.33
1	35-C	502	LYS	C-N	8.00	1.44	1.33
1	36-C	502	LYS	C-N	8.00	1.44	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	37-C	502	LYS	C-N	8.00	1.44	1.33
1	38-C	502	LYS	C-N	8.00	1.44	1.33
1	39-C	502	LYS	C-N	8.00	1.44	1.33
1	40-C	502	LYS	C-N	8.00	1.44	1.33
1	41-C	502	LYS	C-N	8.00	1.44	1.33
1	42-C	502	LYS	C-N	8.00	1.44	1.33
1	43-C	502	LYS	C-N	8.00	1.44	1.33
1	1-C	230	GLY	C-N	7.34	1.42	1.33
1	2-C	230	GLY	C-N	7.34	1.42	1.33
1	3-C	230	GLY	C-N	7.34	1.42	1.33
1	4-C	230	GLY	C-N	7.34	1.42	1.33
1	5-C	230	GLY	C-N	7.34	1.42	1.33
1	6-C	230	GLY	C-N	7.34	1.42	1.33
1	7-C	230	GLY	C-N	7.34	1.42	1.33
1	8-C	230	GLY	C-N	7.34	1.42	1.33
1	9-C	230	GLY	C-N	7.34	1.42	1.33
1	10-C	230	GLY	C-N	7.34	1.42	1.33
1	11-C	230	GLY	C-N	7.34	1.42	1.33
1	12-C	230	GLY	C-N	7.34	1.42	1.33
1	13-C	230	GLY	C-N	7.34	1.42	1.33
1	14-C	230	GLY	C-N	7.34	1.42	1.33
1	15-C	230	GLY	C-N	7.34	1.42	1.33
1	16-C	230	GLY	C-N	7.34	1.42	1.33
1	17-C	230	GLY	C-N	7.34	1.42	1.33
1	18-C	230	GLY	C-N	7.34	1.42	1.33
1	19-C	230	GLY	C-N	7.34	1.42	1.33
1	20-C	230	GLY	C-N	7.34	1.42	1.33
1	21-C	230	GLY	C-N	7.34	1.42	1.33
1	22-C	230	GLY	C-N	7.34	1.42	1.33
1	23-C	230	GLY	C-N	7.34	1.42	1.33
1	24-C	230	GLY	C-N	7.34	1.42	1.33
1	25-C	230	GLY	C-N	7.34	1.42	1.33
1	26-C	230	GLY	C-N	7.34	1.42	1.33
1	27-C	230	GLY	C-N	7.34	1.42	1.33
1	28-C	230	GLY	C-N	7.34	1.42	1.33
1	29-C	230	GLY	C-N	7.34	1.42	1.33
1	30-C	230	GLY	C-N	7.34	1.42	1.33
1	31-C	230	GLY	C-N	7.34	1.42	1.33
1	32-C	230	GLY	C-N	7.34	1.42	1.33
1	33-C	230	GLY	C-N	7.34	1.42	1.33
1	34-C	230	GLY	C-N	7.34	1.42	1.33
1	35-C	230	GLY	C-N	7.34	1.42	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	36-C	230	GLY	C-N	7.34	1.42	1.33
1	37-C	230	GLY	C-N	7.34	1.42	1.33
1	38-C	230	GLY	C-N	7.34	1.42	1.33
1	39-C	230	GLY	C-N	7.34	1.42	1.33
1	40-C	230	GLY	C-N	7.34	1.42	1.33
1	41-C	230	GLY	C-N	7.34	1.42	1.33
1	42-C	230	GLY	C-N	7.34	1.42	1.33
1	43-C	230	GLY	C-N	7.34	1.42	1.33
1	1-C	150	PRO	N-CD	7.26	1.57	1.47
1	2-C	150	PRO	N-CD	7.26	1.57	1.47
1	3-C	150	PRO	N-CD	7.26	1.57	1.47
1	4-C	150	PRO	N-CD	7.26	1.57	1.47
1	5-C	150	PRO	N-CD	7.26	1.57	1.47
1	6-C	150	PRO	N-CD	7.26	1.57	1.47
1	7-C	150	PRO	N-CD	7.26	1.57	1.47
1	8-C	150	PRO	N-CD	7.26	1.57	1.47
1	9-C	150	PRO	N-CD	7.26	1.57	1.47
1	10-C	150	PRO	N-CD	7.26	1.57	1.47
1	11-C	150	PRO	N-CD	7.26	1.57	1.47
1	12-C	150	PRO	N-CD	7.26	1.57	1.47
1	13-C	150	PRO	N-CD	7.26	1.57	1.47
1	14-C	150	PRO	N-CD	7.26	1.57	1.47
1	15-C	150	PRO	N-CD	7.26	1.57	1.47
1	16-C	150	PRO	N-CD	7.26	1.57	1.47
1	17-C	150	PRO	N-CD	7.26	1.57	1.47
1	18-C	150	PRO	N-CD	7.26	1.57	1.47
1	19-C	150	PRO	N-CD	7.26	1.57	1.47
1	20-C	150	PRO	N-CD	7.26	1.57	1.47
1	21-C	150	PRO	N-CD	7.26	1.57	1.47
1	22-C	150	PRO	N-CD	7.26	1.57	1.47
1	23-C	150	PRO	N-CD	7.26	1.57	1.47
1	24-C	150	PRO	N-CD	7.26	1.57	1.47
1	25-C	150	PRO	N-CD	7.26	1.57	1.47
1	26-C	150	PRO	N-CD	7.26	1.57	1.47
1	27-C	150	PRO	N-CD	7.26	1.57	1.47
1	28-C	150	PRO	N-CD	7.26	1.57	1.47
1	29-C	150	PRO	N-CD	7.26	1.57	1.47
1	30-C	150	PRO	N-CD	7.26	1.57	1.47
1	31-C	150	PRO	N-CD	7.26	1.57	1.47
1	32-C	150	PRO	N-CD	7.26	1.57	1.47
1	33-C	150	PRO	N-CD	7.26	1.57	1.47
1	34-C	150	PRO	N-CD	7.26	1.57	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	35-C	150	PRO	N-CD	7.26	1.57	1.47
1	36-C	150	PRO	N-CD	7.26	1.57	1.47
1	37-C	150	PRO	N-CD	7.26	1.57	1.47
1	38-C	150	PRO	N-CD	7.26	1.57	1.47
1	39-C	150	PRO	N-CD	7.26	1.57	1.47
1	40-C	150	PRO	N-CD	7.26	1.57	1.47
1	41-C	150	PRO	N-CD	7.26	1.57	1.47
1	42-C	150	PRO	N-CD	7.26	1.57	1.47
1	43-C	150	PRO	N-CD	7.26	1.57	1.47
1	1-C	673	PRO	N-CD	6.71	1.57	1.47
1	2-C	673	PRO	N-CD	6.71	1.57	1.47
1	3-C	673	PRO	N-CD	6.71	1.57	1.47
1	4-C	673	PRO	N-CD	6.71	1.57	1.47
1	5-C	673	PRO	N-CD	6.71	1.57	1.47
1	6-C	673	PRO	N-CD	6.71	1.57	1.47
1	7-C	673	PRO	N-CD	6.71	1.57	1.47
1	8-C	673	PRO	N-CD	6.71	1.57	1.47
1	9-C	673	PRO	N-CD	6.71	1.57	1.47
1	10-C	673	PRO	N-CD	6.71	1.57	1.47
1	11-C	673	PRO	N-CD	6.71	1.57	1.47
1	12-C	673	PRO	N-CD	6.71	1.57	1.47
1	13-C	673	PRO	N-CD	6.71	1.57	1.47
1	14-C	673	PRO	N-CD	6.71	1.57	1.47
1	15-C	673	PRO	N-CD	6.71	1.57	1.47
1	16-C	673	PRO	N-CD	6.71	1.57	1.47
1	17-C	673	PRO	N-CD	6.71	1.57	1.47
1	18-C	673	PRO	N-CD	6.71	1.57	1.47
1	19-C	673	PRO	N-CD	6.71	1.57	1.47
1	20-C	673	PRO	N-CD	6.71	1.57	1.47
1	21-C	673	PRO	N-CD	6.71	1.57	1.47
1	22-C	673	PRO	N-CD	6.71	1.57	1.47
1	23-C	673	PRO	N-CD	6.71	1.57	1.47
1	24-C	673	PRO	N-CD	6.71	1.57	1.47
1	25-C	673	PRO	N-CD	6.71	1.57	1.47
1	26-C	673	PRO	N-CD	6.71	1.57	1.47
1	27-C	673	PRO	N-CD	6.71	1.57	1.47
1	28-C	673	PRO	N-CD	6.71	1.57	1.47
1	29-C	673	PRO	N-CD	6.71	1.57	1.47
1	30-C	673	PRO	N-CD	6.71	1.57	1.47
1	31-C	673	PRO	N-CD	6.71	1.57	1.47
1	32-C	673	PRO	N-CD	6.71	1.57	1.47
1	33-C	673	PRO	N-CD	6.71	1.57	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	34-C	673	PRO	N-CD	6.71	1.57	1.47
1	35-C	673	PRO	N-CD	6.71	1.57	1.47
1	36-C	673	PRO	N-CD	6.71	1.57	1.47
1	37-C	673	PRO	N-CD	6.71	1.57	1.47
1	38-C	673	PRO	N-CD	6.71	1.57	1.47
1	39-C	673	PRO	N-CD	6.71	1.57	1.47
1	40-C	673	PRO	N-CD	6.71	1.57	1.47
1	41-C	673	PRO	N-CD	6.71	1.57	1.47
1	42-C	673	PRO	N-CD	6.71	1.57	1.47
1	43-C	673	PRO	N-CD	6.71	1.57	1.47
1	1-C	679	PRO	N-CD	6.70	1.57	1.47
1	2-C	679	PRO	N-CD	6.70	1.57	1.47
1	3-C	679	PRO	N-CD	6.70	1.57	1.47
1	4-C	679	PRO	N-CD	6.70	1.57	1.47
1	5-C	679	PRO	N-CD	6.70	1.57	1.47
1	6-C	679	PRO	N-CD	6.70	1.57	1.47
1	7-C	679	PRO	N-CD	6.70	1.57	1.47
1	8-C	679	PRO	N-CD	6.70	1.57	1.47
1	9-C	679	PRO	N-CD	6.70	1.57	1.47
1	10-C	679	PRO	N-CD	6.70	1.57	1.47
1	11-C	679	PRO	N-CD	6.70	1.57	1.47
1	12-C	679	PRO	N-CD	6.70	1.57	1.47
1	13-C	679	PRO	N-CD	6.70	1.57	1.47
1	14-C	679	PRO	N-CD	6.70	1.57	1.47
1	15-C	679	PRO	N-CD	6.70	1.57	1.47
1	16-C	679	PRO	N-CD	6.70	1.57	1.47
1	17-C	679	PRO	N-CD	6.70	1.57	1.47
1	18-C	679	PRO	N-CD	6.70	1.57	1.47
1	19-C	679	PRO	N-CD	6.70	1.57	1.47
1	20-C	679	PRO	N-CD	6.70	1.57	1.47
1	21-C	679	PRO	N-CD	6.70	1.57	1.47
1	22-C	679	PRO	N-CD	6.70	1.57	1.47
1	23-C	679	PRO	N-CD	6.70	1.57	1.47
1	24-C	679	PRO	N-CD	6.70	1.57	1.47
1	25-C	679	PRO	N-CD	6.70	1.57	1.47
1	26-C	679	PRO	N-CD	6.70	1.57	1.47
1	27-C	679	PRO	N-CD	6.70	1.57	1.47
1	28-C	679	PRO	N-CD	6.70	1.57	1.47
1	29-C	679	PRO	N-CD	6.70	1.57	1.47
1	30-C	679	PRO	N-CD	6.70	1.57	1.47
1	31-C	679	PRO	N-CD	6.70	1.57	1.47
1	32-C	679	PRO	N-CD	6.70	1.57	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	33-C	679	PRO	N-CD	6.70	1.57	1.47
1	34-C	679	PRO	N-CD	6.70	1.57	1.47
1	35-C	679	PRO	N-CD	6.70	1.57	1.47
1	36-C	679	PRO	N-CD	6.70	1.57	1.47
1	37-C	679	PRO	N-CD	6.70	1.57	1.47
1	38-C	679	PRO	N-CD	6.70	1.57	1.47
1	39-C	679	PRO	N-CD	6.70	1.57	1.47
1	40-C	679	PRO	N-CD	6.70	1.57	1.47
1	41-C	679	PRO	N-CD	6.70	1.57	1.47
1	42-C	679	PRO	N-CD	6.70	1.57	1.47
1	43-C	679	PRO	N-CD	6.70	1.57	1.47
1	1-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	2-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	3-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	4-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	5-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	6-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	7-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	8-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	9-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	10-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	11-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	12-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	13-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	14-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	15-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	16-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	17-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	18-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	19-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	20-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	21-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	22-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	23-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	24-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	25-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	26-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	27-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	28-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	29-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	30-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	31-C	8	PRO	CG-CD	-6.68	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	32-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	33-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	34-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	35-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	36-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	37-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	38-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	39-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	40-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	41-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	42-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	43-C	8	PRO	CG-CD	-6.68	1.28	1.50
1	1-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	2-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	3-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	4-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	5-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	6-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	7-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	8-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	9-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	10-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	11-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	12-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	13-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	14-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	15-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	16-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	17-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	18-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	19-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	20-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	21-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	22-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	23-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	24-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	25-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	26-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	27-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	28-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	29-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	30-C	673	PRO	CG-CD	-6.67	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	31-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	32-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	33-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	34-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	35-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	36-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	37-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	38-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	39-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	40-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	41-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	42-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	43-C	673	PRO	CG-CD	-6.67	1.28	1.50
1	1-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	2-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	3-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	4-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	5-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	6-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	7-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	8-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	9-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	10-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	11-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	12-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	13-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	14-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	15-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	16-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	17-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	18-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	19-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	20-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	21-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	22-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	23-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	24-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	25-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	26-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	27-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	28-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	29-C	367	PRO	CG-CD	-6.67	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	30-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	31-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	32-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	33-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	34-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	35-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	36-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	37-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	38-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	39-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	40-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	41-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	42-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	43-C	367	PRO	CG-CD	-6.67	1.28	1.50
1	1-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	2-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	3-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	4-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	5-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	6-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	7-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	8-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	9-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	10-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	11-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	12-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	13-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	14-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	15-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	16-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	17-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	18-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	19-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	20-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	21-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	22-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	23-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	24-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	25-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	26-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	27-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	28-C	150	PRO	CG-CD	-6.67	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	29-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	30-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	31-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	32-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	33-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	34-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	35-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	36-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	37-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	38-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	39-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	40-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	41-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	42-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	43-C	150	PRO	CG-CD	-6.67	1.28	1.50
1	1-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	2-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	3-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	4-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	5-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	6-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	7-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	8-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	9-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	10-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	11-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	12-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	13-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	14-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	15-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	16-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	17-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	18-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	19-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	20-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	21-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	22-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	23-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	24-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	25-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	26-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	27-C	601	PRO	CG-CD	-6.66	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	28-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	29-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	30-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	31-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	32-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	33-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	34-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	35-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	36-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	37-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	38-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	39-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	40-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	41-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	42-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	43-C	601	PRO	CG-CD	-6.66	1.28	1.50
1	1-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	2-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	3-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	4-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	5-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	6-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	7-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	8-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	9-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	10-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	11-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	12-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	13-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	14-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	15-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	16-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	17-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	18-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	19-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	20-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	21-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	22-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	23-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	24-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	25-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	26-C	224	PRO	CG-CD	-6.66	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	27-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	28-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	29-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	30-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	31-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	32-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	33-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	34-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	35-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	36-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	37-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	38-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	39-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	40-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	41-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	42-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	43-C	224	PRO	CG-CD	-6.66	1.28	1.50
1	1-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	2-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	3-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	4-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	5-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	6-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	7-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	8-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	9-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	10-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	11-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	12-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	13-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	14-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	15-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	16-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	17-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	18-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	19-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	20-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	21-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	22-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	23-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	24-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	25-C	130	PRO	CG-CD	-6.66	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	26-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	27-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	28-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	29-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	30-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	31-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	32-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	33-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	34-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	35-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	36-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	37-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	38-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	39-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	40-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	41-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	42-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	43-C	130	PRO	CG-CD	-6.66	1.28	1.50
1	1-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	1-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	2-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	2-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	3-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	3-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	4-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	4-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	5-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	5-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	6-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	6-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	7-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	7-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	8-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	8-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	9-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	9-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	10-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	10-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	11-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	11-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	12-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	12-Z	152	PRO	CG-CD	-6.66	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	13-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	13-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	14-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	14-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	15-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	15-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	16-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	16-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	17-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	17-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	18-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	18-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	19-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	19-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	20-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	20-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	21-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	21-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	22-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	22-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	23-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	23-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	24-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	24-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	25-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	25-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	26-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	26-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	27-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	27-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	28-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	28-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	29-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	29-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	30-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	30-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	31-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	31-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	32-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	32-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	33-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	33-Z	152	PRO	CG-CD	-6.66	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	34-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	34-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	35-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	35-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	36-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	36-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	37-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	37-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	38-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	38-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	39-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	39-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	40-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	40-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	41-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	41-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	42-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	42-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	43-C	526	PRO	CG-CD	-6.66	1.28	1.50
3	43-Z	152	PRO	CG-CD	-6.66	1.28	1.50
1	1-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	1-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	2-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	2-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	3-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	3-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	4-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	4-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	5-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	5-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	6-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	6-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	7-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	7-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	8-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	8-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	9-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	9-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	10-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	10-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	11-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	11-C	835	PRO	CG-CD	-6.65	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	12-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	12-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	13-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	13-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	14-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	14-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	15-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	15-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	16-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	16-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	17-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	17-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	18-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	18-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	19-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	19-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	20-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	20-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	21-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	21-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	22-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	22-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	23-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	23-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	24-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	24-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	25-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	25-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	26-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	26-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	27-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	27-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	28-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	28-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	29-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	29-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	30-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	30-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	31-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	31-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	32-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	32-C	835	PRO	CG-CD	-6.65	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	33-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	33-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	34-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	34-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	35-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	35-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	36-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	36-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	37-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	37-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	38-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	38-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	39-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	39-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	40-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	40-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	41-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	41-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	42-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	42-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	43-C	294	PRO	CG-CD	-6.65	1.28	1.50
1	43-C	835	PRO	CG-CD	-6.65	1.28	1.50
1	1-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	1-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	1-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	2-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	2-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	2-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	3-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	3-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	3-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	4-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	4-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	4-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	5-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	5-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	5-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	6-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	6-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	6-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	7-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	7-C	665	PRO	CG-CD	-6.65	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	7-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	8-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	8-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	8-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	9-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	9-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	9-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	10-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	10-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	10-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	11-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	11-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	11-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	12-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	12-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	12-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	13-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	13-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	13-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	14-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	14-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	14-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	15-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	15-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	15-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	16-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	16-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	16-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	17-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	17-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	17-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	18-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	18-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	18-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	19-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	19-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	19-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	20-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	20-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	20-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	21-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	21-C	665	PRO	CG-CD	-6.65	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	21-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	22-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	22-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	22-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	23-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	23-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	23-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	24-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	24-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	24-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	25-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	25-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	25-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	26-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	26-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	26-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	27-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	27-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	27-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	28-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	28-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	28-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	29-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	29-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	29-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	30-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	30-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	30-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	31-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	31-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	31-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	32-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	32-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	32-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	33-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	33-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	33-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	34-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	34-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	34-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	35-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	35-C	665	PRO	CG-CD	-6.65	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	35-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	36-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	36-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	36-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	37-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	37-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	37-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	38-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	38-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	38-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	39-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	39-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	39-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	40-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	40-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	40-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	41-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	41-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	41-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	42-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	42-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	42-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	43-C	149	PRO	CG-CD	-6.65	1.28	1.50
1	43-C	665	PRO	CG-CD	-6.65	1.28	1.50
3	43-Z	44	PRO	CG-CD	-6.65	1.28	1.50
1	1-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	1-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	1-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	2-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	2-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	2-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	3-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	3-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	3-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	4-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	4-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	4-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	5-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	5-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	5-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	6-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	6-C	729	PRO	CG-CD	-6.64	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	7-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	7-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	7-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	8-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	8-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	8-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	9-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	9-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	9-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	10-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	10-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	10-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	11-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	11-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	11-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	12-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	12-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	12-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	13-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	13-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	13-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	14-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	14-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	14-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	15-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	15-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	15-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	16-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	16-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	16-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	17-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	17-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	17-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	18-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	18-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	18-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	19-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	19-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	19-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	20-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	20-C	729	PRO	CG-CD	-6.64	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	20-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	21-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	21-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	21-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	22-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	22-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	22-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	23-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	23-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	23-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	24-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	24-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	24-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	25-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	25-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	25-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	26-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	26-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	26-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	27-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	27-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	27-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	28-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	28-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	28-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	29-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	29-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	29-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	30-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	30-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	30-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	31-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	31-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	31-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	32-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	32-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	32-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	33-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	33-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	33-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	34-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	34-C	729	PRO	CG-CD	-6.64	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	34-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	35-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	35-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	35-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	36-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	36-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	36-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	37-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	37-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	37-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	38-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	38-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	38-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	39-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	39-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	39-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	40-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	40-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	40-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	41-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	41-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	41-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	42-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	42-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	42-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	43-C	616	PRO	CG-CD	-6.64	1.28	1.50
1	43-C	729	PRO	CG-CD	-6.64	1.28	1.50
2	43-Y	66	PRO	CG-CD	-6.64	1.28	1.50
1	1-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	1-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	2-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	2-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	3-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	3-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	4-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	4-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	5-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	5-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	6-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	6-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	7-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	7-C	708	PRO	CG-CD	-6.64	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	8-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	8-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	9-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	9-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	10-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	10-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	11-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	11-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	12-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	12-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	13-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	13-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	14-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	14-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	15-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	15-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	16-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	16-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	17-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	17-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	18-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	18-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	19-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	19-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	20-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	20-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	21-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	21-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	22-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	22-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	23-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	23-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	24-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	24-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	25-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	25-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	26-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	26-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	27-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	27-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	28-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	28-C	708	PRO	CG-CD	-6.64	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	29-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	29-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	30-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	30-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	31-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	31-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	32-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	32-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	33-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	33-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	34-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	34-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	35-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	35-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	36-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	36-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	37-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	37-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	38-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	38-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	39-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	39-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	40-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	40-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	41-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	41-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	42-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	42-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	43-C	80	PRO	CG-CD	-6.64	1.28	1.50
1	43-C	708	PRO	CG-CD	-6.64	1.28	1.50
1	1-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	2-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	3-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	4-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	5-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	6-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	7-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	8-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	9-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	10-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	11-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	12-C	725	PRO	CG-CD	-6.64	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	13-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	14-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	15-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	16-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	17-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	18-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	19-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	20-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	21-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	22-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	23-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	24-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	25-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	26-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	27-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	28-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	29-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	30-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	31-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	32-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	33-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	34-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	35-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	36-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	37-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	38-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	39-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	40-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	41-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	42-C	725	PRO	CG-CD	-6.64	1.28	1.50
1	43-C	725	PRO	CG-CD	-6.64	1.28	1.50
3	1-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	2-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	3-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	4-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	5-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	6-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	7-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	8-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	9-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	10-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	11-Z	70	PRO	CG-CD	-6.64	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	12-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	13-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	14-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	15-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	16-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	17-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	18-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	19-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	20-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	21-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	22-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	23-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	24-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	25-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	26-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	27-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	28-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	29-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	30-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	31-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	32-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	33-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	34-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	35-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	36-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	37-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	38-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	39-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	40-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	41-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	42-Z	70	PRO	CG-CD	-6.64	1.28	1.50
3	43-Z	70	PRO	CG-CD	-6.64	1.28	1.50
2	1-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	2-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	3-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	4-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	5-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	6-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	7-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	8-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	9-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	10-Y	133	PRO	CG-CD	-6.63	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	11-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	12-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	13-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	14-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	15-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	16-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	17-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	18-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	19-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	20-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	21-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	22-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	23-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	24-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	25-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	26-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	27-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	28-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	29-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	30-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	31-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	32-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	33-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	34-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	35-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	36-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	37-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	38-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	39-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	40-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	41-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	42-Y	133	PRO	CG-CD	-6.63	1.28	1.50
2	43-Y	133	PRO	CG-CD	-6.63	1.28	1.50
1	1-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	1-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	1-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	2-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	2-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	2-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	3-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	3-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	3-C	540	PRO	CG-CD	-6.63	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	4-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	4-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	5-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	5-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	5-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	6-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	6-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	6-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	7-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	7-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	7-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	8-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	8-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	8-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	9-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	9-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	9-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	10-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	10-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	10-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	11-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	11-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	11-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	12-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	12-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	12-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	13-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	13-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	13-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	14-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	14-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	14-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	15-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	15-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	15-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	16-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	16-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	16-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	17-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	17-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	17-C	540	PRO	CG-CD	-6.63	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	18-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	18-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	18-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	19-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	19-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	19-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	20-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	20-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	20-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	21-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	21-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	21-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	22-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	22-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	22-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	23-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	23-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	23-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	24-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	24-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	24-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	25-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	25-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	25-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	26-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	26-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	26-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	27-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	27-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	27-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	28-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	28-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	28-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	29-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	29-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	29-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	30-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	30-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	30-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	31-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	31-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	31-C	540	PRO	CG-CD	-6.63	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	32-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	32-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	32-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	33-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	33-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	33-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	34-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	34-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	34-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	35-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	35-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	35-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	36-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	36-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	36-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	37-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	37-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	37-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	38-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	38-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	38-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	39-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	39-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	39-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	40-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	40-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	40-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	41-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	41-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	41-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	42-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	42-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	42-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	43-C	79	PRO	CG-CD	-6.63	1.28	1.50
1	43-C	253	PRO	CG-CD	-6.63	1.28	1.50
1	43-C	540	PRO	CG-CD	-6.63	1.28	1.50
1	1-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	2-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	3-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	4-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	5-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	6-C	575	PRO	CG-CD	-6.63	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	8-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	9-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	10-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	11-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	12-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	13-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	14-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	15-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	16-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	17-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	18-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	19-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	20-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	21-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	22-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	23-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	24-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	25-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	26-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	27-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	28-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	29-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	30-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	31-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	32-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	33-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	34-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	35-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	36-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	37-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	38-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	39-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	40-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	41-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	42-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	43-C	575	PRO	CG-CD	-6.63	1.28	1.50
1	1-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	1-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	1-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	2-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	2-C	401	PRO	CG-CD	-6.63	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	3-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	3-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	3-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	4-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	4-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	4-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	5-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	5-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	5-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	6-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	6-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	6-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	7-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	7-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	7-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	8-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	8-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	8-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	9-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	9-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	9-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	10-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	10-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	10-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	11-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	11-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	11-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	12-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	12-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	12-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	13-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	13-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	13-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	14-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	14-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	14-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	15-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	15-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	15-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	16-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	16-C	401	PRO	CG-CD	-6.63	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	16-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	17-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	17-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	17-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	18-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	18-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	18-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	19-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	19-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	19-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	20-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	20-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	20-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	21-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	21-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	21-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	22-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	22-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	22-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	23-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	23-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	23-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	24-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	24-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	24-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	25-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	25-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	25-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	26-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	26-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	26-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	27-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	27-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	27-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	28-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	28-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	28-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	29-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	29-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	29-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	30-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	30-C	401	PRO	CG-CD	-6.63	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	30-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	31-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	31-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	31-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	32-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	32-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	32-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	33-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	33-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	33-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	34-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	34-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	34-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	35-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	35-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	35-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	36-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	36-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	36-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	37-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	37-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	37-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	38-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	38-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	38-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	39-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	39-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	39-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	40-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	40-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	40-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	41-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	41-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	41-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	42-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	42-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	42-C	679	PRO	CG-CD	-6.63	1.28	1.50
1	43-C	37	PRO	CG-CD	-6.63	1.28	1.50
1	43-C	401	PRO	CG-CD	-6.63	1.28	1.50
1	43-C	679	PRO	CG-CD	-6.63	1.28	1.50
2	1-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	2-Y	64	PRO	CG-CD	-6.62	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	3-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	4-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	5-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	6-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	7-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	8-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	9-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	10-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	11-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	12-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	13-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	14-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	15-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	16-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	17-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	18-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	19-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	20-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	21-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	22-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	23-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	24-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	25-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	26-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	27-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	28-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	29-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	30-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	31-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	32-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	33-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	34-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	35-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	36-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	37-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	38-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	39-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	40-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	41-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	42-Y	64	PRO	CG-CD	-6.62	1.28	1.50
2	43-Y	64	PRO	CG-CD	-6.62	1.28	1.50
1	1-C	125	PRO	CG-CD	-6.62	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	1-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	2-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	2-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	2-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	3-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	3-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	3-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	4-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	4-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	4-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	5-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	5-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	5-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	6-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	6-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	6-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	7-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	7-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	7-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	8-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	8-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	8-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	9-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	9-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	9-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	10-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	10-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	10-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	11-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	11-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	11-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	12-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	12-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	12-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	13-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	13-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	13-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	14-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	14-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	14-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	15-C	125	PRO	CG-CD	-6.62	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	15-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	15-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	16-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	16-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	16-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	17-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	17-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	17-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	18-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	18-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	18-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	19-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	19-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	19-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	20-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	20-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	20-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	21-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	21-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	21-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	22-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	22-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	22-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	23-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	23-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	23-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	24-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	24-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	24-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	25-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	25-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	25-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	26-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	26-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	26-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	27-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	27-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	27-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	28-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	28-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	28-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	29-C	125	PRO	CG-CD	-6.62	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	29-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	29-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	30-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	30-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	30-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	31-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	31-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	31-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	32-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	32-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	32-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	33-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	33-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	33-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	34-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	34-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	34-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	35-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	35-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	35-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	36-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	36-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	36-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	37-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	37-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	37-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	38-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	38-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	38-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	39-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	39-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	39-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	40-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	40-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	40-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	41-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	41-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	41-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	42-C	125	PRO	CG-CD	-6.62	1.28	1.50
1	42-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	42-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	43-C	125	PRO	CG-CD	-6.62	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	43-C	568	PRO	CG-CD	-6.62	1.28	1.50
3	43-Z	154	PRO	CG-CD	-6.62	1.28	1.50
1	1-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	2-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	3-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	4-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	5-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	6-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	7-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	8-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	9-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	10-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	11-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	12-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	13-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	14-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	15-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	16-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	17-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	18-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	19-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	20-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	21-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	22-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	23-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	24-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	25-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	26-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	27-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	28-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	29-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	30-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	31-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	32-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	33-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	34-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	35-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	36-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	37-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	38-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	39-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	40-C	565	PRO	CG-CD	-6.61	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	41-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	42-C	565	PRO	CG-CD	-6.61	1.28	1.50
1	43-C	565	PRO	CG-CD	-6.61	1.28	1.50
2	1-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	2-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	3-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	4-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	5-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	6-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	7-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	8-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	9-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	10-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	11-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	12-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	13-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	14-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	15-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	16-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	17-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	18-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	19-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	20-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	21-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	22-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	23-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	24-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	25-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	26-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	27-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	28-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	29-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	30-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	31-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	32-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	33-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	34-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	35-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	36-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	37-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	38-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	39-Y	51	PRO	CG-CD	-6.61	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	40-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	41-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	42-Y	51	PRO	CG-CD	-6.61	1.28	1.50
2	43-Y	51	PRO	CG-CD	-6.61	1.28	1.50
1	1-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	2-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	3-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	4-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	5-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	6-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	7-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	8-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	9-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	10-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	11-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	12-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	13-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	14-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	15-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	16-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	17-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	18-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	19-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	20-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	21-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	22-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	23-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	24-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	25-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	26-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	27-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	28-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	29-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	30-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	31-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	32-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	33-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	34-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	35-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	36-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	37-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	38-C	750	PRO	CG-CD	-6.61	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	39-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	40-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	41-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	42-C	750	PRO	CG-CD	-6.61	1.28	1.50
1	43-C	750	PRO	CG-CD	-6.61	1.28	1.50
3	1-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	2-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	3-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	4-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	5-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	6-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	7-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	8-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	9-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	10-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	11-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	12-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	13-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	14-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	15-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	16-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	17-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	18-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	19-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	20-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	21-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	22-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	23-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	24-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	25-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	26-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	27-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	28-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	29-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	30-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	31-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	32-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	33-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	34-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	35-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	36-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	37-Z	64	PRO	CG-CD	-6.60	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	38-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	39-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	40-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	41-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	42-Z	64	PRO	CG-CD	-6.60	1.28	1.50
3	43-Z	64	PRO	CG-CD	-6.60	1.28	1.50
1	1-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	2-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	3-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	4-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	5-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	6-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	7-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	8-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	9-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	10-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	11-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	12-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	13-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	14-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	15-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	16-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	17-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	18-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	19-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	20-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	21-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	22-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	23-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	24-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	25-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	26-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	27-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	28-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	29-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	30-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	31-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	32-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	33-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	34-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	35-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	36-C	588	PRO	CG-CD	-6.60	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	37-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	38-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	39-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	40-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	41-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	42-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	43-C	588	PRO	CG-CD	-6.60	1.28	1.50
1	1-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	2-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	3-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	4-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	5-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	6-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	7-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	8-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	9-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	10-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	11-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	12-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	13-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	14-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	15-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	16-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	17-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	18-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	19-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	20-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	21-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	22-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	23-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	24-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	25-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	26-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	27-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	28-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	29-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	30-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	31-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	32-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	33-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	34-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	35-C	304	PRO	CG-CD	-6.59	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	36-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	37-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	38-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	39-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	40-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	41-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	42-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	43-C	304	PRO	CG-CD	-6.59	1.28	1.50
1	1-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	2-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	3-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	4-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	5-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	6-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	7-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	8-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	9-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	10-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	11-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	12-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	13-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	14-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	15-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	16-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	17-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	18-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	19-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	20-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	21-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	22-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	23-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	24-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	25-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	26-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	27-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	28-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	29-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	30-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	31-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	32-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	33-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	34-C	571	PRO	CG-CD	-6.58	1.28	1.50

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	35-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	36-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	37-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	38-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	39-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	40-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	41-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	42-C	571	PRO	CG-CD	-6.58	1.28	1.50
1	43-C	571	PRO	CG-CD	-6.58	1.28	1.50
2	1-Y	149	LYS	CA-C	6.56	1.57	1.53
2	2-Y	149	LYS	CA-C	6.56	1.57	1.53
2	3-Y	149	LYS	CA-C	6.56	1.57	1.53
2	4-Y	149	LYS	CA-C	6.56	1.57	1.53
2	5-Y	149	LYS	CA-C	6.56	1.57	1.53
2	6-Y	149	LYS	CA-C	6.56	1.57	1.53
2	7-Y	149	LYS	CA-C	6.56	1.57	1.53
2	8-Y	149	LYS	CA-C	6.56	1.57	1.53
2	9-Y	149	LYS	CA-C	6.56	1.57	1.53
2	10-Y	149	LYS	CA-C	6.56	1.57	1.53
2	11-Y	149	LYS	CA-C	6.56	1.57	1.53
2	12-Y	149	LYS	CA-C	6.56	1.57	1.53
2	13-Y	149	LYS	CA-C	6.56	1.57	1.53
2	14-Y	149	LYS	CA-C	6.56	1.57	1.53
2	15-Y	149	LYS	CA-C	6.56	1.57	1.53
2	16-Y	149	LYS	CA-C	6.56	1.57	1.53
2	17-Y	149	LYS	CA-C	6.56	1.57	1.53
2	18-Y	149	LYS	CA-C	6.56	1.57	1.53
2	19-Y	149	LYS	CA-C	6.56	1.57	1.53
2	20-Y	149	LYS	CA-C	6.56	1.57	1.53
2	21-Y	149	LYS	CA-C	6.56	1.57	1.53
2	22-Y	149	LYS	CA-C	6.56	1.57	1.53
2	23-Y	149	LYS	CA-C	6.56	1.57	1.53
2	24-Y	149	LYS	CA-C	6.56	1.57	1.53
2	25-Y	149	LYS	CA-C	6.56	1.57	1.53
2	26-Y	149	LYS	CA-C	6.56	1.57	1.53
2	27-Y	149	LYS	CA-C	6.56	1.57	1.53
2	28-Y	149	LYS	CA-C	6.56	1.57	1.53
2	29-Y	149	LYS	CA-C	6.56	1.57	1.53
2	30-Y	149	LYS	CA-C	6.56	1.57	1.53
2	31-Y	149	LYS	CA-C	6.56	1.57	1.53
2	32-Y	149	LYS	CA-C	6.56	1.57	1.53
2	33-Y	149	LYS	CA-C	6.56	1.57	1.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	34-Y	149	LYS	CA-C	6.56	1.57	1.53
2	35-Y	149	LYS	CA-C	6.56	1.57	1.53
2	36-Y	149	LYS	CA-C	6.56	1.57	1.53
2	37-Y	149	LYS	CA-C	6.56	1.57	1.53
2	38-Y	149	LYS	CA-C	6.56	1.57	1.53
2	39-Y	149	LYS	CA-C	6.56	1.57	1.53
2	40-Y	149	LYS	CA-C	6.56	1.57	1.53
2	41-Y	149	LYS	CA-C	6.56	1.57	1.53
2	42-Y	149	LYS	CA-C	6.56	1.57	1.53
2	43-Y	149	LYS	CA-C	6.56	1.57	1.53
1	1-C	601	PRO	N-CD	6.41	1.56	1.47
1	2-C	601	PRO	N-CD	6.41	1.56	1.47
1	3-C	601	PRO	N-CD	6.41	1.56	1.47
1	4-C	601	PRO	N-CD	6.41	1.56	1.47
1	5-C	601	PRO	N-CD	6.41	1.56	1.47
1	6-C	601	PRO	N-CD	6.41	1.56	1.47
1	7-C	601	PRO	N-CD	6.41	1.56	1.47
1	8-C	601	PRO	N-CD	6.41	1.56	1.47
1	9-C	601	PRO	N-CD	6.41	1.56	1.47
1	10-C	601	PRO	N-CD	6.41	1.56	1.47
1	11-C	601	PRO	N-CD	6.41	1.56	1.47
1	12-C	601	PRO	N-CD	6.41	1.56	1.47
1	13-C	601	PRO	N-CD	6.41	1.56	1.47
1	14-C	601	PRO	N-CD	6.41	1.56	1.47
1	15-C	601	PRO	N-CD	6.41	1.56	1.47
1	16-C	601	PRO	N-CD	6.41	1.56	1.47
1	17-C	601	PRO	N-CD	6.41	1.56	1.47
1	18-C	601	PRO	N-CD	6.41	1.56	1.47
1	19-C	601	PRO	N-CD	6.41	1.56	1.47
1	20-C	601	PRO	N-CD	6.41	1.56	1.47
1	21-C	601	PRO	N-CD	6.41	1.56	1.47
1	22-C	601	PRO	N-CD	6.41	1.56	1.47
1	23-C	601	PRO	N-CD	6.41	1.56	1.47
1	24-C	601	PRO	N-CD	6.41	1.56	1.47
1	25-C	601	PRO	N-CD	6.41	1.56	1.47
1	26-C	601	PRO	N-CD	6.41	1.56	1.47
1	27-C	601	PRO	N-CD	6.41	1.56	1.47
1	28-C	601	PRO	N-CD	6.41	1.56	1.47
1	29-C	601	PRO	N-CD	6.41	1.56	1.47
1	30-C	601	PRO	N-CD	6.41	1.56	1.47
1	31-C	601	PRO	N-CD	6.41	1.56	1.47
1	32-C	601	PRO	N-CD	6.41	1.56	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	33-C	601	PRO	N-CD	6.41	1.56	1.47
1	34-C	601	PRO	N-CD	6.41	1.56	1.47
1	35-C	601	PRO	N-CD	6.41	1.56	1.47
1	36-C	601	PRO	N-CD	6.41	1.56	1.47
1	37-C	601	PRO	N-CD	6.41	1.56	1.47
1	38-C	601	PRO	N-CD	6.41	1.56	1.47
1	39-C	601	PRO	N-CD	6.41	1.56	1.47
1	40-C	601	PRO	N-CD	6.41	1.56	1.47
1	41-C	601	PRO	N-CD	6.41	1.56	1.47
1	42-C	601	PRO	N-CD	6.41	1.56	1.47
1	43-C	601	PRO	N-CD	6.41	1.56	1.47
1	1-C	509	PHE	C-N	5.83	1.41	1.33
1	2-C	509	PHE	C-N	5.83	1.41	1.33
1	3-C	509	PHE	C-N	5.83	1.41	1.33
1	4-C	509	PHE	C-N	5.83	1.41	1.33
1	5-C	509	PHE	C-N	5.83	1.41	1.33
1	6-C	509	PHE	C-N	5.83	1.41	1.33
1	7-C	509	PHE	C-N	5.83	1.41	1.33
1	8-C	509	PHE	C-N	5.83	1.41	1.33
1	9-C	509	PHE	C-N	5.83	1.41	1.33
1	10-C	509	PHE	C-N	5.83	1.41	1.33
1	11-C	509	PHE	C-N	5.83	1.41	1.33
1	12-C	509	PHE	C-N	5.83	1.41	1.33
1	13-C	509	PHE	C-N	5.83	1.41	1.33
1	14-C	509	PHE	C-N	5.83	1.41	1.33
1	15-C	509	PHE	C-N	5.83	1.41	1.33
1	16-C	509	PHE	C-N	5.83	1.41	1.33
1	17-C	509	PHE	C-N	5.83	1.41	1.33
1	18-C	509	PHE	C-N	5.83	1.41	1.33
1	19-C	509	PHE	C-N	5.83	1.41	1.33
1	20-C	509	PHE	C-N	5.83	1.41	1.33
1	21-C	509	PHE	C-N	5.83	1.41	1.33
1	22-C	509	PHE	C-N	5.83	1.41	1.33
1	23-C	509	PHE	C-N	5.83	1.41	1.33
1	24-C	509	PHE	C-N	5.83	1.41	1.33
1	25-C	509	PHE	C-N	5.83	1.41	1.33
1	26-C	509	PHE	C-N	5.83	1.41	1.33
1	27-C	509	PHE	C-N	5.83	1.41	1.33
1	28-C	509	PHE	C-N	5.83	1.41	1.33
1	29-C	509	PHE	C-N	5.83	1.41	1.33
1	30-C	509	PHE	C-N	5.83	1.41	1.33
1	31-C	509	PHE	C-N	5.83	1.41	1.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	32-C	509	PHE	C-N	5.83	1.41	1.33
1	33-C	509	PHE	C-N	5.83	1.41	1.33
1	34-C	509	PHE	C-N	5.83	1.41	1.33
1	35-C	509	PHE	C-N	5.83	1.41	1.33
1	36-C	509	PHE	C-N	5.83	1.41	1.33
1	37-C	509	PHE	C-N	5.83	1.41	1.33
1	38-C	509	PHE	C-N	5.83	1.41	1.33
1	39-C	509	PHE	C-N	5.83	1.41	1.33
1	40-C	509	PHE	C-N	5.83	1.41	1.33
1	41-C	509	PHE	C-N	5.83	1.41	1.33
1	42-C	509	PHE	C-N	5.83	1.41	1.33
1	43-C	509	PHE	C-N	5.83	1.41	1.33
1	1-C	725	PRO	N-CD	-5.49	1.40	1.47
1	2-C	725	PRO	N-CD	-5.49	1.40	1.47
1	3-C	725	PRO	N-CD	-5.49	1.40	1.47
1	4-C	725	PRO	N-CD	-5.49	1.40	1.47
1	5-C	725	PRO	N-CD	-5.49	1.40	1.47
1	6-C	725	PRO	N-CD	-5.49	1.40	1.47
1	7-C	725	PRO	N-CD	-5.49	1.40	1.47
1	8-C	725	PRO	N-CD	-5.49	1.40	1.47
1	9-C	725	PRO	N-CD	-5.49	1.40	1.47
1	10-C	725	PRO	N-CD	-5.49	1.40	1.47
1	11-C	725	PRO	N-CD	-5.49	1.40	1.47
1	12-C	725	PRO	N-CD	-5.49	1.40	1.47
1	13-C	725	PRO	N-CD	-5.49	1.40	1.47
1	14-C	725	PRO	N-CD	-5.49	1.40	1.47
1	15-C	725	PRO	N-CD	-5.49	1.40	1.47
1	16-C	725	PRO	N-CD	-5.49	1.40	1.47
1	17-C	725	PRO	N-CD	-5.49	1.40	1.47
1	18-C	725	PRO	N-CD	-5.49	1.40	1.47
1	19-C	725	PRO	N-CD	-5.49	1.40	1.47
1	20-C	725	PRO	N-CD	-5.49	1.40	1.47
1	21-C	725	PRO	N-CD	-5.49	1.40	1.47
1	22-C	725	PRO	N-CD	-5.49	1.40	1.47
1	23-C	725	PRO	N-CD	-5.49	1.40	1.47
1	24-C	725	PRO	N-CD	-5.49	1.40	1.47
1	25-C	725	PRO	N-CD	-5.49	1.40	1.47
1	26-C	725	PRO	N-CD	-5.49	1.40	1.47
1	27-C	725	PRO	N-CD	-5.49	1.40	1.47
1	28-C	725	PRO	N-CD	-5.49	1.40	1.47
1	29-C	725	PRO	N-CD	-5.49	1.40	1.47
1	30-C	725	PRO	N-CD	-5.49	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	31-C	725	PRO	N-CD	-5.49	1.40	1.47
1	32-C	725	PRO	N-CD	-5.49	1.40	1.47
1	33-C	725	PRO	N-CD	-5.49	1.40	1.47
1	34-C	725	PRO	N-CD	-5.49	1.40	1.47
1	35-C	725	PRO	N-CD	-5.49	1.40	1.47
1	36-C	725	PRO	N-CD	-5.49	1.40	1.47
1	37-C	725	PRO	N-CD	-5.49	1.40	1.47
1	38-C	725	PRO	N-CD	-5.49	1.40	1.47
1	39-C	725	PRO	N-CD	-5.49	1.40	1.47
1	40-C	725	PRO	N-CD	-5.49	1.40	1.47
1	41-C	725	PRO	N-CD	-5.49	1.40	1.47
1	42-C	725	PRO	N-CD	-5.49	1.40	1.47
1	43-C	725	PRO	N-CD	-5.49	1.40	1.47
1	1-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	2-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	3-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	4-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	5-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	6-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	7-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	8-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	9-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	10-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	11-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	12-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	13-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	14-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	15-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	16-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	17-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	18-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	19-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	20-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	21-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	22-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	23-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	24-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	25-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	26-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	27-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	28-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	29-C	594	TRP	NE1-CE2	-5.38	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	30-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	31-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	32-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	33-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	34-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	35-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	36-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	37-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	38-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	39-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	40-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	41-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	42-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	43-C	594	TRP	NE1-CE2	-5.38	1.31	1.37
1	1-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	2-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	3-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	4-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	5-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	6-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	7-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	8-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	9-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	10-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	11-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	12-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	13-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	14-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	15-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	16-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	17-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	18-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	19-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	20-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	21-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	22-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	23-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	24-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	25-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	26-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	27-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	28-C	826	TRP	NE1-CE2	-5.35	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	29-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	30-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	31-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	32-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	33-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	34-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	35-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	36-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	37-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	38-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	39-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	40-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	41-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	42-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	43-C	826	TRP	NE1-CE2	-5.35	1.31	1.37
1	1-C	729	PRO	N-CD	-5.34	1.40	1.47
1	2-C	729	PRO	N-CD	-5.34	1.40	1.47
1	3-C	729	PRO	N-CD	-5.34	1.40	1.47
1	4-C	729	PRO	N-CD	-5.34	1.40	1.47
1	5-C	729	PRO	N-CD	-5.34	1.40	1.47
1	6-C	729	PRO	N-CD	-5.34	1.40	1.47
1	7-C	729	PRO	N-CD	-5.34	1.40	1.47
1	8-C	729	PRO	N-CD	-5.34	1.40	1.47
1	9-C	729	PRO	N-CD	-5.34	1.40	1.47
1	10-C	729	PRO	N-CD	-5.34	1.40	1.47
1	11-C	729	PRO	N-CD	-5.34	1.40	1.47
1	12-C	729	PRO	N-CD	-5.34	1.40	1.47
1	13-C	729	PRO	N-CD	-5.34	1.40	1.47
1	14-C	729	PRO	N-CD	-5.34	1.40	1.47
1	15-C	729	PRO	N-CD	-5.34	1.40	1.47
1	16-C	729	PRO	N-CD	-5.34	1.40	1.47
1	17-C	729	PRO	N-CD	-5.34	1.40	1.47
1	18-C	729	PRO	N-CD	-5.34	1.40	1.47
1	19-C	729	PRO	N-CD	-5.34	1.40	1.47
1	20-C	729	PRO	N-CD	-5.34	1.40	1.47
1	21-C	729	PRO	N-CD	-5.34	1.40	1.47
1	22-C	729	PRO	N-CD	-5.34	1.40	1.47
1	23-C	729	PRO	N-CD	-5.34	1.40	1.47
1	24-C	729	PRO	N-CD	-5.34	1.40	1.47
1	25-C	729	PRO	N-CD	-5.34	1.40	1.47
1	26-C	729	PRO	N-CD	-5.34	1.40	1.47
1	27-C	729	PRO	N-CD	-5.34	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	28-C	729	PRO	N-CD	-5.34	1.40	1.47
1	29-C	729	PRO	N-CD	-5.34	1.40	1.47
1	30-C	729	PRO	N-CD	-5.34	1.40	1.47
1	31-C	729	PRO	N-CD	-5.34	1.40	1.47
1	32-C	729	PRO	N-CD	-5.34	1.40	1.47
1	33-C	729	PRO	N-CD	-5.34	1.40	1.47
1	34-C	729	PRO	N-CD	-5.34	1.40	1.47
1	35-C	729	PRO	N-CD	-5.34	1.40	1.47
1	36-C	729	PRO	N-CD	-5.34	1.40	1.47
1	37-C	729	PRO	N-CD	-5.34	1.40	1.47
1	38-C	729	PRO	N-CD	-5.34	1.40	1.47
1	39-C	729	PRO	N-CD	-5.34	1.40	1.47
1	40-C	729	PRO	N-CD	-5.34	1.40	1.47
1	41-C	729	PRO	N-CD	-5.34	1.40	1.47
1	42-C	729	PRO	N-CD	-5.34	1.40	1.47
1	43-C	729	PRO	N-CD	-5.34	1.40	1.47
1	1-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	2-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	3-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	4-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	5-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	6-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	7-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	8-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	9-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	10-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	11-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	12-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	13-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	14-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	15-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	16-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	17-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	18-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	19-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	20-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	21-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	22-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	23-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	24-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	25-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	26-C	35	TRP	NE1-CE2	-5.33	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	27-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	28-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	29-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	30-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	31-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	32-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	33-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	34-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	35-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	36-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	37-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	38-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	39-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	40-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	41-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	42-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
1	43-C	35	TRP	NE1-CE2	-5.33	1.31	1.37
3	1-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	2-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	3-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	4-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	5-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	6-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	7-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	8-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	9-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	10-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	11-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	12-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	13-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	14-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	15-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	16-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	17-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	18-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	19-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	20-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	21-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	22-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	23-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	24-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	25-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	26-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	27-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	28-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	29-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	30-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	31-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	32-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	33-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	34-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	35-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	36-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	37-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	38-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	39-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	40-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	41-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	42-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
3	43-Z	21	TRP	NE1-CE2	-5.31	1.31	1.37
1	1-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	1-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	2-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	2-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	3-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	3-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	4-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	4-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	5-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	5-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	6-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	6-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	7-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	7-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	8-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	8-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	9-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	9-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	10-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	10-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	11-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	11-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	12-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	12-Y	133	PRO	N-CD	-5.27	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	13-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	13-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	14-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	14-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	15-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	15-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	16-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	16-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	17-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	17-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	18-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	18-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	19-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	19-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	20-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	20-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	21-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	21-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	22-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	22-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	23-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	23-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	24-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	24-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	25-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	25-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	26-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	26-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	27-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	27-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	28-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	28-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	29-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	29-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	30-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	30-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	31-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	31-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	32-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	32-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	33-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	33-Y	133	PRO	N-CD	-5.27	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	34-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	34-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	35-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	35-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	36-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	36-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	37-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	37-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	38-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	38-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	39-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	39-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	40-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	40-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	41-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	41-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	42-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	42-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	43-C	507	TRP	NE1-CE2	-5.27	1.31	1.37
2	43-Y	133	PRO	N-CD	-5.27	1.40	1.47
1	1-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	2-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	3-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	4-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	5-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	6-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	7-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	8-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	9-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	10-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	11-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	12-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	13-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	14-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	15-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	16-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	17-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	18-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	19-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	20-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	21-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	22-C	79	PRO	CA-CB	-5.26	1.49	1.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	23-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	24-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	25-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	26-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	27-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	28-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	29-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	30-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	31-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	32-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	33-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	34-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	35-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	36-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	37-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	38-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	39-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	40-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	41-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	42-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	43-C	79	PRO	CA-CB	-5.26	1.49	1.54
1	1-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	2-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	3-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	4-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	5-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	6-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	7-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	8-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	9-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	10-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	11-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	12-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	13-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	14-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	15-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	16-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	17-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	18-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	19-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	20-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	21-C	818	TRP	NE1-CE2	-5.25	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	22-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	23-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	24-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	25-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	26-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	27-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	28-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	29-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	30-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	31-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	32-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	33-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	34-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	35-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	36-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	37-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	38-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	39-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	40-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	41-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	42-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	43-C	818	TRP	NE1-CE2	-5.25	1.31	1.37
1	1-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	2-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	3-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	4-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	5-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	6-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	7-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	8-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	9-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	10-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	11-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	12-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	13-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	14-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	15-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	16-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	17-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	18-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	19-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	20-C	437	TRP	NE1-CE2	-5.22	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	21-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	22-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	23-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	24-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	25-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	26-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	27-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	28-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	29-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	30-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	31-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	32-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	33-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	34-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	35-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	36-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	37-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	38-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	39-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	40-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	41-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	42-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	43-C	437	TRP	NE1-CE2	-5.22	1.31	1.37
1	1-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	2-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	3-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	4-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	5-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	6-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	7-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	8-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	9-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	10-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	11-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	12-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	13-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	14-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	15-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	16-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	17-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	18-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	19-C	827	TRP	NE1-CE2	-5.22	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	20-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	21-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	22-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	23-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	24-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	25-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	26-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	27-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	28-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	29-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	30-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	31-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	32-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	33-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	34-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	35-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	36-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	37-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	38-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	39-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	40-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	41-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	42-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	43-C	827	TRP	NE1-CE2	-5.22	1.31	1.37
1	1-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	2-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	3-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	4-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	5-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	6-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	7-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	8-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	9-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	10-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	11-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	12-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	13-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	14-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	15-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	16-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	17-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	18-C	824	TRP	NE1-CE2	-5.20	1.31	1.37

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	19-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	20-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	21-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	22-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	23-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	24-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	25-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	26-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	27-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	28-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	29-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	30-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	31-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	32-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	33-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	34-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	35-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	36-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	37-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	38-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	39-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	40-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	41-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	42-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
1	43-C	824	TRP	NE1-CE2	-5.20	1.31	1.37
2	1-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	2-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	3-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	4-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	5-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	6-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	7-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	8-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	9-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	10-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	11-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	12-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	13-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	14-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	15-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	16-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	17-Y	51	PRO	N-CD	-5.20	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	18-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	19-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	20-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	21-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	22-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	23-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	24-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	25-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	26-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	27-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	28-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	29-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	30-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	31-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	32-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	33-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	34-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	35-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	36-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	37-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	38-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	39-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	40-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	41-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	42-Y	51	PRO	N-CD	-5.20	1.40	1.47
2	43-Y	51	PRO	N-CD	-5.20	1.40	1.47
1	1-C	79	PRO	N-CD	-5.17	1.40	1.47
1	2-C	79	PRO	N-CD	-5.17	1.40	1.47
1	3-C	79	PRO	N-CD	-5.17	1.40	1.47
1	4-C	79	PRO	N-CD	-5.17	1.40	1.47
1	5-C	79	PRO	N-CD	-5.17	1.40	1.47
1	6-C	79	PRO	N-CD	-5.17	1.40	1.47
1	7-C	79	PRO	N-CD	-5.17	1.40	1.47
1	8-C	79	PRO	N-CD	-5.17	1.40	1.47
1	9-C	79	PRO	N-CD	-5.17	1.40	1.47
1	10-C	79	PRO	N-CD	-5.17	1.40	1.47
1	11-C	79	PRO	N-CD	-5.17	1.40	1.47
1	12-C	79	PRO	N-CD	-5.17	1.40	1.47
1	13-C	79	PRO	N-CD	-5.17	1.40	1.47
1	14-C	79	PRO	N-CD	-5.17	1.40	1.47
1	15-C	79	PRO	N-CD	-5.17	1.40	1.47
1	16-C	79	PRO	N-CD	-5.17	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	17-C	79	PRO	N-CD	-5.17	1.40	1.47
1	18-C	79	PRO	N-CD	-5.17	1.40	1.47
1	19-C	79	PRO	N-CD	-5.17	1.40	1.47
1	20-C	79	PRO	N-CD	-5.17	1.40	1.47
1	21-C	79	PRO	N-CD	-5.17	1.40	1.47
1	22-C	79	PRO	N-CD	-5.17	1.40	1.47
1	23-C	79	PRO	N-CD	-5.17	1.40	1.47
1	24-C	79	PRO	N-CD	-5.17	1.40	1.47
1	25-C	79	PRO	N-CD	-5.17	1.40	1.47
1	26-C	79	PRO	N-CD	-5.17	1.40	1.47
1	27-C	79	PRO	N-CD	-5.17	1.40	1.47
1	28-C	79	PRO	N-CD	-5.17	1.40	1.47
1	29-C	79	PRO	N-CD	-5.17	1.40	1.47
1	30-C	79	PRO	N-CD	-5.17	1.40	1.47
1	31-C	79	PRO	N-CD	-5.17	1.40	1.47
1	32-C	79	PRO	N-CD	-5.17	1.40	1.47
1	33-C	79	PRO	N-CD	-5.17	1.40	1.47
1	34-C	79	PRO	N-CD	-5.17	1.40	1.47
1	35-C	79	PRO	N-CD	-5.17	1.40	1.47
1	36-C	79	PRO	N-CD	-5.17	1.40	1.47
1	37-C	79	PRO	N-CD	-5.17	1.40	1.47
1	38-C	79	PRO	N-CD	-5.17	1.40	1.47
1	39-C	79	PRO	N-CD	-5.17	1.40	1.47
1	40-C	79	PRO	N-CD	-5.17	1.40	1.47
1	41-C	79	PRO	N-CD	-5.17	1.40	1.47
1	42-C	79	PRO	N-CD	-5.17	1.40	1.47
1	43-C	79	PRO	N-CD	-5.17	1.40	1.47
1	1-C	367	PRO	N-CD	-5.17	1.40	1.47
1	2-C	367	PRO	N-CD	-5.17	1.40	1.47
1	3-C	367	PRO	N-CD	-5.17	1.40	1.47
1	4-C	367	PRO	N-CD	-5.17	1.40	1.47
1	5-C	367	PRO	N-CD	-5.17	1.40	1.47
1	6-C	367	PRO	N-CD	-5.17	1.40	1.47
1	7-C	367	PRO	N-CD	-5.17	1.40	1.47
1	8-C	367	PRO	N-CD	-5.17	1.40	1.47
1	9-C	367	PRO	N-CD	-5.17	1.40	1.47
1	10-C	367	PRO	N-CD	-5.17	1.40	1.47
1	11-C	367	PRO	N-CD	-5.17	1.40	1.47
1	12-C	367	PRO	N-CD	-5.17	1.40	1.47
1	13-C	367	PRO	N-CD	-5.17	1.40	1.47
1	14-C	367	PRO	N-CD	-5.17	1.40	1.47
1	15-C	367	PRO	N-CD	-5.17	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	16-C	367	PRO	N-CD	-5.17	1.40	1.47
1	17-C	367	PRO	N-CD	-5.17	1.40	1.47
1	18-C	367	PRO	N-CD	-5.17	1.40	1.47
1	19-C	367	PRO	N-CD	-5.17	1.40	1.47
1	20-C	367	PRO	N-CD	-5.17	1.40	1.47
1	21-C	367	PRO	N-CD	-5.17	1.40	1.47
1	22-C	367	PRO	N-CD	-5.17	1.40	1.47
1	23-C	367	PRO	N-CD	-5.17	1.40	1.47
1	24-C	367	PRO	N-CD	-5.17	1.40	1.47
1	25-C	367	PRO	N-CD	-5.17	1.40	1.47
1	26-C	367	PRO	N-CD	-5.17	1.40	1.47
1	27-C	367	PRO	N-CD	-5.17	1.40	1.47
1	28-C	367	PRO	N-CD	-5.17	1.40	1.47
1	29-C	367	PRO	N-CD	-5.17	1.40	1.47
1	30-C	367	PRO	N-CD	-5.17	1.40	1.47
1	31-C	367	PRO	N-CD	-5.17	1.40	1.47
1	32-C	367	PRO	N-CD	-5.17	1.40	1.47
1	33-C	367	PRO	N-CD	-5.17	1.40	1.47
1	34-C	367	PRO	N-CD	-5.17	1.40	1.47
1	35-C	367	PRO	N-CD	-5.17	1.40	1.47
1	36-C	367	PRO	N-CD	-5.17	1.40	1.47
1	37-C	367	PRO	N-CD	-5.17	1.40	1.47
1	38-C	367	PRO	N-CD	-5.17	1.40	1.47
1	39-C	367	PRO	N-CD	-5.17	1.40	1.47
1	40-C	367	PRO	N-CD	-5.17	1.40	1.47
1	41-C	367	PRO	N-CD	-5.17	1.40	1.47
1	42-C	367	PRO	N-CD	-5.17	1.40	1.47
1	43-C	367	PRO	N-CD	-5.17	1.40	1.47
1	1-C	253	PRO	N-CD	-5.15	1.40	1.47
1	2-C	253	PRO	N-CD	-5.15	1.40	1.47
1	3-C	253	PRO	N-CD	-5.15	1.40	1.47
1	4-C	253	PRO	N-CD	-5.15	1.40	1.47
1	5-C	253	PRO	N-CD	-5.15	1.40	1.47
1	6-C	253	PRO	N-CD	-5.15	1.40	1.47
1	7-C	253	PRO	N-CD	-5.15	1.40	1.47
1	8-C	253	PRO	N-CD	-5.15	1.40	1.47
1	9-C	253	PRO	N-CD	-5.15	1.40	1.47
1	10-C	253	PRO	N-CD	-5.15	1.40	1.47
1	11-C	253	PRO	N-CD	-5.15	1.40	1.47
1	12-C	253	PRO	N-CD	-5.15	1.40	1.47
1	13-C	253	PRO	N-CD	-5.15	1.40	1.47
1	14-C	253	PRO	N-CD	-5.15	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	15-C	253	PRO	N-CD	-5.15	1.40	1.47
1	16-C	253	PRO	N-CD	-5.15	1.40	1.47
1	17-C	253	PRO	N-CD	-5.15	1.40	1.47
1	18-C	253	PRO	N-CD	-5.15	1.40	1.47
1	19-C	253	PRO	N-CD	-5.15	1.40	1.47
1	20-C	253	PRO	N-CD	-5.15	1.40	1.47
1	21-C	253	PRO	N-CD	-5.15	1.40	1.47
1	22-C	253	PRO	N-CD	-5.15	1.40	1.47
1	23-C	253	PRO	N-CD	-5.15	1.40	1.47
1	24-C	253	PRO	N-CD	-5.15	1.40	1.47
1	25-C	253	PRO	N-CD	-5.15	1.40	1.47
1	26-C	253	PRO	N-CD	-5.15	1.40	1.47
1	27-C	253	PRO	N-CD	-5.15	1.40	1.47
1	28-C	253	PRO	N-CD	-5.15	1.40	1.47
1	29-C	253	PRO	N-CD	-5.15	1.40	1.47
1	30-C	253	PRO	N-CD	-5.15	1.40	1.47
1	31-C	253	PRO	N-CD	-5.15	1.40	1.47
1	32-C	253	PRO	N-CD	-5.15	1.40	1.47
1	33-C	253	PRO	N-CD	-5.15	1.40	1.47
1	34-C	253	PRO	N-CD	-5.15	1.40	1.47
1	35-C	253	PRO	N-CD	-5.15	1.40	1.47
1	36-C	253	PRO	N-CD	-5.15	1.40	1.47
1	37-C	253	PRO	N-CD	-5.15	1.40	1.47
1	38-C	253	PRO	N-CD	-5.15	1.40	1.47
1	39-C	253	PRO	N-CD	-5.15	1.40	1.47
1	40-C	253	PRO	N-CD	-5.15	1.40	1.47
1	41-C	253	PRO	N-CD	-5.15	1.40	1.47
1	42-C	253	PRO	N-CD	-5.15	1.40	1.47
1	43-C	253	PRO	N-CD	-5.15	1.40	1.47
1	1-C	571	PRO	N-CD	-5.13	1.40	1.47
1	2-C	571	PRO	N-CD	-5.13	1.40	1.47
1	3-C	571	PRO	N-CD	-5.13	1.40	1.47
1	4-C	571	PRO	N-CD	-5.13	1.40	1.47
1	5-C	571	PRO	N-CD	-5.13	1.40	1.47
1	6-C	571	PRO	N-CD	-5.13	1.40	1.47
1	7-C	571	PRO	N-CD	-5.13	1.40	1.47
1	8-C	571	PRO	N-CD	-5.13	1.40	1.47
1	9-C	571	PRO	N-CD	-5.13	1.40	1.47
1	10-C	571	PRO	N-CD	-5.13	1.40	1.47
1	11-C	571	PRO	N-CD	-5.13	1.40	1.47
1	12-C	571	PRO	N-CD	-5.13	1.40	1.47
1	13-C	571	PRO	N-CD	-5.13	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	14-C	571	PRO	N-CD	-5.13	1.40	1.47
1	15-C	571	PRO	N-CD	-5.13	1.40	1.47
1	16-C	571	PRO	N-CD	-5.13	1.40	1.47
1	17-C	571	PRO	N-CD	-5.13	1.40	1.47
1	18-C	571	PRO	N-CD	-5.13	1.40	1.47
1	19-C	571	PRO	N-CD	-5.13	1.40	1.47
1	20-C	571	PRO	N-CD	-5.13	1.40	1.47
1	21-C	571	PRO	N-CD	-5.13	1.40	1.47
1	22-C	571	PRO	N-CD	-5.13	1.40	1.47
1	23-C	571	PRO	N-CD	-5.13	1.40	1.47
1	24-C	571	PRO	N-CD	-5.13	1.40	1.47
1	25-C	571	PRO	N-CD	-5.13	1.40	1.47
1	26-C	571	PRO	N-CD	-5.13	1.40	1.47
1	27-C	571	PRO	N-CD	-5.13	1.40	1.47
1	28-C	571	PRO	N-CD	-5.13	1.40	1.47
1	29-C	571	PRO	N-CD	-5.13	1.40	1.47
1	30-C	571	PRO	N-CD	-5.13	1.40	1.47
1	31-C	571	PRO	N-CD	-5.13	1.40	1.47
1	32-C	571	PRO	N-CD	-5.13	1.40	1.47
1	33-C	571	PRO	N-CD	-5.13	1.40	1.47
1	34-C	571	PRO	N-CD	-5.13	1.40	1.47
1	35-C	571	PRO	N-CD	-5.13	1.40	1.47
1	36-C	571	PRO	N-CD	-5.13	1.40	1.47
1	37-C	571	PRO	N-CD	-5.13	1.40	1.47
1	38-C	571	PRO	N-CD	-5.13	1.40	1.47
1	39-C	571	PRO	N-CD	-5.13	1.40	1.47
1	40-C	571	PRO	N-CD	-5.13	1.40	1.47
1	41-C	571	PRO	N-CD	-5.13	1.40	1.47
1	42-C	571	PRO	N-CD	-5.13	1.40	1.47
1	43-C	571	PRO	N-CD	-5.13	1.40	1.47
1	1-C	568	PRO	N-CD	-5.12	1.40	1.47
1	2-C	568	PRO	N-CD	-5.12	1.40	1.47
1	3-C	568	PRO	N-CD	-5.12	1.40	1.47
1	4-C	568	PRO	N-CD	-5.12	1.40	1.47
1	5-C	568	PRO	N-CD	-5.12	1.40	1.47
1	6-C	568	PRO	N-CD	-5.12	1.40	1.47
1	7-C	568	PRO	N-CD	-5.12	1.40	1.47
1	8-C	568	PRO	N-CD	-5.12	1.40	1.47
1	9-C	568	PRO	N-CD	-5.12	1.40	1.47
1	10-C	568	PRO	N-CD	-5.12	1.40	1.47
1	11-C	568	PRO	N-CD	-5.12	1.40	1.47
1	12-C	568	PRO	N-CD	-5.12	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	13-C	568	PRO	N-CD	-5.12	1.40	1.47
1	14-C	568	PRO	N-CD	-5.12	1.40	1.47
1	15-C	568	PRO	N-CD	-5.12	1.40	1.47
1	16-C	568	PRO	N-CD	-5.12	1.40	1.47
1	17-C	568	PRO	N-CD	-5.12	1.40	1.47
1	18-C	568	PRO	N-CD	-5.12	1.40	1.47
1	19-C	568	PRO	N-CD	-5.12	1.40	1.47
1	20-C	568	PRO	N-CD	-5.12	1.40	1.47
1	21-C	568	PRO	N-CD	-5.12	1.40	1.47
1	22-C	568	PRO	N-CD	-5.12	1.40	1.47
1	23-C	568	PRO	N-CD	-5.12	1.40	1.47
1	24-C	568	PRO	N-CD	-5.12	1.40	1.47
1	25-C	568	PRO	N-CD	-5.12	1.40	1.47
1	26-C	568	PRO	N-CD	-5.12	1.40	1.47
1	27-C	568	PRO	N-CD	-5.12	1.40	1.47
1	28-C	568	PRO	N-CD	-5.12	1.40	1.47
1	29-C	568	PRO	N-CD	-5.12	1.40	1.47
1	30-C	568	PRO	N-CD	-5.12	1.40	1.47
1	31-C	568	PRO	N-CD	-5.12	1.40	1.47
1	32-C	568	PRO	N-CD	-5.12	1.40	1.47
1	33-C	568	PRO	N-CD	-5.12	1.40	1.47
1	34-C	568	PRO	N-CD	-5.12	1.40	1.47
1	35-C	568	PRO	N-CD	-5.12	1.40	1.47
1	36-C	568	PRO	N-CD	-5.12	1.40	1.47
1	37-C	568	PRO	N-CD	-5.12	1.40	1.47
1	38-C	568	PRO	N-CD	-5.12	1.40	1.47
1	39-C	568	PRO	N-CD	-5.12	1.40	1.47
1	40-C	568	PRO	N-CD	-5.12	1.40	1.47
1	41-C	568	PRO	N-CD	-5.12	1.40	1.47
1	42-C	568	PRO	N-CD	-5.12	1.40	1.47
1	43-C	568	PRO	N-CD	-5.12	1.40	1.47
1	1-C	565	PRO	N-CD	-5.11	1.40	1.47
2	1-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	2-C	565	PRO	N-CD	-5.11	1.40	1.47
2	2-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	3-C	565	PRO	N-CD	-5.11	1.40	1.47
2	3-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	4-C	565	PRO	N-CD	-5.11	1.40	1.47
2	4-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	5-C	565	PRO	N-CD	-5.11	1.40	1.47
2	5-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	6-C	565	PRO	N-CD	-5.11	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	6-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	7-C	565	PRO	N-CD	-5.11	1.40	1.47
2	7-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	8-C	565	PRO	N-CD	-5.11	1.40	1.47
2	8-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	9-C	565	PRO	N-CD	-5.11	1.40	1.47
2	9-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	10-C	565	PRO	N-CD	-5.11	1.40	1.47
2	10-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	11-C	565	PRO	N-CD	-5.11	1.40	1.47
2	11-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	12-C	565	PRO	N-CD	-5.11	1.40	1.47
2	12-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	13-C	565	PRO	N-CD	-5.11	1.40	1.47
2	13-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	14-C	565	PRO	N-CD	-5.11	1.40	1.47
2	14-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	15-C	565	PRO	N-CD	-5.11	1.40	1.47
2	15-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	16-C	565	PRO	N-CD	-5.11	1.40	1.47
2	16-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	17-C	565	PRO	N-CD	-5.11	1.40	1.47
2	17-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	18-C	565	PRO	N-CD	-5.11	1.40	1.47
2	18-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	19-C	565	PRO	N-CD	-5.11	1.40	1.47
2	19-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	20-C	565	PRO	N-CD	-5.11	1.40	1.47
2	20-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	21-C	565	PRO	N-CD	-5.11	1.40	1.47
2	21-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	22-C	565	PRO	N-CD	-5.11	1.40	1.47
2	22-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	23-C	565	PRO	N-CD	-5.11	1.40	1.47
2	23-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	24-C	565	PRO	N-CD	-5.11	1.40	1.47
2	24-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	25-C	565	PRO	N-CD	-5.11	1.40	1.47
2	25-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	26-C	565	PRO	N-CD	-5.11	1.40	1.47
2	26-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	27-C	565	PRO	N-CD	-5.11	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	27-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	28-C	565	PRO	N-CD	-5.11	1.40	1.47
2	28-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	29-C	565	PRO	N-CD	-5.11	1.40	1.47
2	29-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	30-C	565	PRO	N-CD	-5.11	1.40	1.47
2	30-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	31-C	565	PRO	N-CD	-5.11	1.40	1.47
2	31-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	32-C	565	PRO	N-CD	-5.11	1.40	1.47
2	32-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	33-C	565	PRO	N-CD	-5.11	1.40	1.47
2	33-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	34-C	565	PRO	N-CD	-5.11	1.40	1.47
2	34-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	35-C	565	PRO	N-CD	-5.11	1.40	1.47
2	35-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	36-C	565	PRO	N-CD	-5.11	1.40	1.47
2	36-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	37-C	565	PRO	N-CD	-5.11	1.40	1.47
2	37-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	38-C	565	PRO	N-CD	-5.11	1.40	1.47
2	38-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	39-C	565	PRO	N-CD	-5.11	1.40	1.47
2	39-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	40-C	565	PRO	N-CD	-5.11	1.40	1.47
2	40-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	41-C	565	PRO	N-CD	-5.11	1.40	1.47
2	41-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	42-C	565	PRO	N-CD	-5.11	1.40	1.47
2	42-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	43-C	565	PRO	N-CD	-5.11	1.40	1.47
2	43-Y	64	PRO	N-CD	-5.11	1.40	1.47
1	1-C	130	PRO	N-CD	-5.11	1.40	1.47
1	2-C	130	PRO	N-CD	-5.11	1.40	1.47
1	3-C	130	PRO	N-CD	-5.11	1.40	1.47
1	4-C	130	PRO	N-CD	-5.11	1.40	1.47
1	5-C	130	PRO	N-CD	-5.11	1.40	1.47
1	6-C	130	PRO	N-CD	-5.11	1.40	1.47
1	7-C	130	PRO	N-CD	-5.11	1.40	1.47
1	8-C	130	PRO	N-CD	-5.11	1.40	1.47
1	9-C	130	PRO	N-CD	-5.11	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	10-C	130	PRO	N-CD	-5.11	1.40	1.47
1	11-C	130	PRO	N-CD	-5.11	1.40	1.47
1	12-C	130	PRO	N-CD	-5.11	1.40	1.47
1	13-C	130	PRO	N-CD	-5.11	1.40	1.47
1	14-C	130	PRO	N-CD	-5.11	1.40	1.47
1	15-C	130	PRO	N-CD	-5.11	1.40	1.47
1	16-C	130	PRO	N-CD	-5.11	1.40	1.47
1	17-C	130	PRO	N-CD	-5.11	1.40	1.47
1	18-C	130	PRO	N-CD	-5.11	1.40	1.47
1	19-C	130	PRO	N-CD	-5.11	1.40	1.47
1	20-C	130	PRO	N-CD	-5.11	1.40	1.47
1	21-C	130	PRO	N-CD	-5.11	1.40	1.47
1	22-C	130	PRO	N-CD	-5.11	1.40	1.47
1	23-C	130	PRO	N-CD	-5.11	1.40	1.47
1	24-C	130	PRO	N-CD	-5.11	1.40	1.47
1	25-C	130	PRO	N-CD	-5.11	1.40	1.47
1	26-C	130	PRO	N-CD	-5.11	1.40	1.47
1	27-C	130	PRO	N-CD	-5.11	1.40	1.47
1	28-C	130	PRO	N-CD	-5.11	1.40	1.47
1	29-C	130	PRO	N-CD	-5.11	1.40	1.47
1	30-C	130	PRO	N-CD	-5.11	1.40	1.47
1	31-C	130	PRO	N-CD	-5.11	1.40	1.47
1	32-C	130	PRO	N-CD	-5.11	1.40	1.47
1	33-C	130	PRO	N-CD	-5.11	1.40	1.47
1	34-C	130	PRO	N-CD	-5.11	1.40	1.47
1	35-C	130	PRO	N-CD	-5.11	1.40	1.47
1	36-C	130	PRO	N-CD	-5.11	1.40	1.47
1	37-C	130	PRO	N-CD	-5.11	1.40	1.47
1	38-C	130	PRO	N-CD	-5.11	1.40	1.47
1	39-C	130	PRO	N-CD	-5.11	1.40	1.47
1	40-C	130	PRO	N-CD	-5.11	1.40	1.47
1	41-C	130	PRO	N-CD	-5.11	1.40	1.47
1	42-C	130	PRO	N-CD	-5.11	1.40	1.47
1	43-C	130	PRO	N-CD	-5.11	1.40	1.47
1	1-C	294	PRO	N-CD	-5.08	1.40	1.47
1	2-C	294	PRO	N-CD	-5.08	1.40	1.47
1	3-C	294	PRO	N-CD	-5.08	1.40	1.47
1	4-C	294	PRO	N-CD	-5.08	1.40	1.47
1	5-C	294	PRO	N-CD	-5.08	1.40	1.47
1	6-C	294	PRO	N-CD	-5.08	1.40	1.47
1	7-C	294	PRO	N-CD	-5.08	1.40	1.47
1	8-C	294	PRO	N-CD	-5.08	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	9-C	294	PRO	N-CD	-5.08	1.40	1.47
1	10-C	294	PRO	N-CD	-5.08	1.40	1.47
1	11-C	294	PRO	N-CD	-5.08	1.40	1.47
1	12-C	294	PRO	N-CD	-5.08	1.40	1.47
1	13-C	294	PRO	N-CD	-5.08	1.40	1.47
1	14-C	294	PRO	N-CD	-5.08	1.40	1.47
1	15-C	294	PRO	N-CD	-5.08	1.40	1.47
1	16-C	294	PRO	N-CD	-5.08	1.40	1.47
1	17-C	294	PRO	N-CD	-5.08	1.40	1.47
1	18-C	294	PRO	N-CD	-5.08	1.40	1.47
1	19-C	294	PRO	N-CD	-5.08	1.40	1.47
1	20-C	294	PRO	N-CD	-5.08	1.40	1.47
1	21-C	294	PRO	N-CD	-5.08	1.40	1.47
1	22-C	294	PRO	N-CD	-5.08	1.40	1.47
1	23-C	294	PRO	N-CD	-5.08	1.40	1.47
1	24-C	294	PRO	N-CD	-5.08	1.40	1.47
1	25-C	294	PRO	N-CD	-5.08	1.40	1.47
1	26-C	294	PRO	N-CD	-5.08	1.40	1.47
1	27-C	294	PRO	N-CD	-5.08	1.40	1.47
1	28-C	294	PRO	N-CD	-5.08	1.40	1.47
1	29-C	294	PRO	N-CD	-5.08	1.40	1.47
1	30-C	294	PRO	N-CD	-5.08	1.40	1.47
1	31-C	294	PRO	N-CD	-5.08	1.40	1.47
1	32-C	294	PRO	N-CD	-5.08	1.40	1.47
1	33-C	294	PRO	N-CD	-5.08	1.40	1.47
1	34-C	294	PRO	N-CD	-5.08	1.40	1.47
1	35-C	294	PRO	N-CD	-5.08	1.40	1.47
1	36-C	294	PRO	N-CD	-5.08	1.40	1.47
1	37-C	294	PRO	N-CD	-5.08	1.40	1.47
1	38-C	294	PRO	N-CD	-5.08	1.40	1.47
1	39-C	294	PRO	N-CD	-5.08	1.40	1.47
1	40-C	294	PRO	N-CD	-5.08	1.40	1.47
1	41-C	294	PRO	N-CD	-5.08	1.40	1.47
1	42-C	294	PRO	N-CD	-5.08	1.40	1.47
1	43-C	294	PRO	N-CD	-5.08	1.40	1.47
1	1-C	750	PRO	N-CD	-5.08	1.40	1.47
1	2-C	750	PRO	N-CD	-5.08	1.40	1.47
1	3-C	750	PRO	N-CD	-5.08	1.40	1.47
1	4-C	750	PRO	N-CD	-5.08	1.40	1.47
1	5-C	750	PRO	N-CD	-5.08	1.40	1.47
1	6-C	750	PRO	N-CD	-5.08	1.40	1.47
1	7-C	750	PRO	N-CD	-5.08	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	8-C	750	PRO	N-CD	-5.08	1.40	1.47
1	9-C	750	PRO	N-CD	-5.08	1.40	1.47
1	10-C	750	PRO	N-CD	-5.08	1.40	1.47
1	11-C	750	PRO	N-CD	-5.08	1.40	1.47
1	12-C	750	PRO	N-CD	-5.08	1.40	1.47
1	13-C	750	PRO	N-CD	-5.08	1.40	1.47
1	14-C	750	PRO	N-CD	-5.08	1.40	1.47
1	15-C	750	PRO	N-CD	-5.08	1.40	1.47
1	16-C	750	PRO	N-CD	-5.08	1.40	1.47
1	17-C	750	PRO	N-CD	-5.08	1.40	1.47
1	18-C	750	PRO	N-CD	-5.08	1.40	1.47
1	19-C	750	PRO	N-CD	-5.08	1.40	1.47
1	20-C	750	PRO	N-CD	-5.08	1.40	1.47
1	21-C	750	PRO	N-CD	-5.08	1.40	1.47
1	22-C	750	PRO	N-CD	-5.08	1.40	1.47
1	23-C	750	PRO	N-CD	-5.08	1.40	1.47
1	24-C	750	PRO	N-CD	-5.08	1.40	1.47
1	25-C	750	PRO	N-CD	-5.08	1.40	1.47
1	26-C	750	PRO	N-CD	-5.08	1.40	1.47
1	27-C	750	PRO	N-CD	-5.08	1.40	1.47
1	28-C	750	PRO	N-CD	-5.08	1.40	1.47
1	29-C	750	PRO	N-CD	-5.08	1.40	1.47
1	30-C	750	PRO	N-CD	-5.08	1.40	1.47
1	31-C	750	PRO	N-CD	-5.08	1.40	1.47
1	32-C	750	PRO	N-CD	-5.08	1.40	1.47
1	33-C	750	PRO	N-CD	-5.08	1.40	1.47
1	34-C	750	PRO	N-CD	-5.08	1.40	1.47
1	35-C	750	PRO	N-CD	-5.08	1.40	1.47
1	36-C	750	PRO	N-CD	-5.08	1.40	1.47
1	37-C	750	PRO	N-CD	-5.08	1.40	1.47
1	38-C	750	PRO	N-CD	-5.08	1.40	1.47
1	39-C	750	PRO	N-CD	-5.08	1.40	1.47
1	40-C	750	PRO	N-CD	-5.08	1.40	1.47
1	41-C	750	PRO	N-CD	-5.08	1.40	1.47
1	42-C	750	PRO	N-CD	-5.08	1.40	1.47
1	43-C	750	PRO	N-CD	-5.08	1.40	1.47
1	1-C	37	PRO	N-CD	-5.07	1.40	1.47
1	2-C	37	PRO	N-CD	-5.07	1.40	1.47
1	3-C	37	PRO	N-CD	-5.07	1.40	1.47
1	4-C	37	PRO	N-CD	-5.07	1.40	1.47
1	5-C	37	PRO	N-CD	-5.07	1.40	1.47
1	6-C	37	PRO	N-CD	-5.07	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	7-C	37	PRO	N-CD	-5.07	1.40	1.47
1	8-C	37	PRO	N-CD	-5.07	1.40	1.47
1	9-C	37	PRO	N-CD	-5.07	1.40	1.47
1	10-C	37	PRO	N-CD	-5.07	1.40	1.47
1	11-C	37	PRO	N-CD	-5.07	1.40	1.47
1	12-C	37	PRO	N-CD	-5.07	1.40	1.47
1	13-C	37	PRO	N-CD	-5.07	1.40	1.47
1	14-C	37	PRO	N-CD	-5.07	1.40	1.47
1	15-C	37	PRO	N-CD	-5.07	1.40	1.47
1	16-C	37	PRO	N-CD	-5.07	1.40	1.47
1	17-C	37	PRO	N-CD	-5.07	1.40	1.47
1	18-C	37	PRO	N-CD	-5.07	1.40	1.47
1	19-C	37	PRO	N-CD	-5.07	1.40	1.47
1	20-C	37	PRO	N-CD	-5.07	1.40	1.47
1	21-C	37	PRO	N-CD	-5.07	1.40	1.47
1	22-C	37	PRO	N-CD	-5.07	1.40	1.47
1	23-C	37	PRO	N-CD	-5.07	1.40	1.47
1	24-C	37	PRO	N-CD	-5.07	1.40	1.47
1	25-C	37	PRO	N-CD	-5.07	1.40	1.47
1	26-C	37	PRO	N-CD	-5.07	1.40	1.47
1	27-C	37	PRO	N-CD	-5.07	1.40	1.47
1	28-C	37	PRO	N-CD	-5.07	1.40	1.47
1	29-C	37	PRO	N-CD	-5.07	1.40	1.47
1	30-C	37	PRO	N-CD	-5.07	1.40	1.47
1	31-C	37	PRO	N-CD	-5.07	1.40	1.47
1	32-C	37	PRO	N-CD	-5.07	1.40	1.47
1	33-C	37	PRO	N-CD	-5.07	1.40	1.47
1	34-C	37	PRO	N-CD	-5.07	1.40	1.47
1	35-C	37	PRO	N-CD	-5.07	1.40	1.47
1	36-C	37	PRO	N-CD	-5.07	1.40	1.47
1	37-C	37	PRO	N-CD	-5.07	1.40	1.47
1	38-C	37	PRO	N-CD	-5.07	1.40	1.47
1	39-C	37	PRO	N-CD	-5.07	1.40	1.47
1	40-C	37	PRO	N-CD	-5.07	1.40	1.47
1	41-C	37	PRO	N-CD	-5.07	1.40	1.47
1	42-C	37	PRO	N-CD	-5.07	1.40	1.47
1	43-C	37	PRO	N-CD	-5.07	1.40	1.47
3	1-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	2-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	3-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	4-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	5-Z	152	PRO	N-CD	-5.05	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	6-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	7-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	8-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	9-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	10-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	11-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	12-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	13-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	14-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	15-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	16-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	17-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	18-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	19-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	20-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	21-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	22-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	23-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	24-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	25-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	26-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	27-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	28-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	29-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	30-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	31-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	32-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	33-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	34-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	35-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	36-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	37-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	38-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	39-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	40-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	41-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	42-Z	152	PRO	N-CD	-5.05	1.40	1.47
3	43-Z	152	PRO	N-CD	-5.05	1.40	1.47
1	1-C	149	PRO	N-CD	-5.05	1.40	1.47
1	2-C	149	PRO	N-CD	-5.05	1.40	1.47
1	3-C	149	PRO	N-CD	-5.05	1.40	1.47
1	4-C	149	PRO	N-CD	-5.05	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	5-C	149	PRO	N-CD	-5.05	1.40	1.47
1	6-C	149	PRO	N-CD	-5.05	1.40	1.47
1	7-C	149	PRO	N-CD	-5.05	1.40	1.47
1	8-C	149	PRO	N-CD	-5.05	1.40	1.47
1	9-C	149	PRO	N-CD	-5.05	1.40	1.47
1	10-C	149	PRO	N-CD	-5.05	1.40	1.47
1	11-C	149	PRO	N-CD	-5.05	1.40	1.47
1	12-C	149	PRO	N-CD	-5.05	1.40	1.47
1	13-C	149	PRO	N-CD	-5.05	1.40	1.47
1	14-C	149	PRO	N-CD	-5.05	1.40	1.47
1	15-C	149	PRO	N-CD	-5.05	1.40	1.47
1	16-C	149	PRO	N-CD	-5.05	1.40	1.47
1	17-C	149	PRO	N-CD	-5.05	1.40	1.47
1	18-C	149	PRO	N-CD	-5.05	1.40	1.47
1	19-C	149	PRO	N-CD	-5.05	1.40	1.47
1	20-C	149	PRO	N-CD	-5.05	1.40	1.47
1	21-C	149	PRO	N-CD	-5.05	1.40	1.47
1	22-C	149	PRO	N-CD	-5.05	1.40	1.47
1	23-C	149	PRO	N-CD	-5.05	1.40	1.47
1	24-C	149	PRO	N-CD	-5.05	1.40	1.47
1	25-C	149	PRO	N-CD	-5.05	1.40	1.47
1	26-C	149	PRO	N-CD	-5.05	1.40	1.47
1	27-C	149	PRO	N-CD	-5.05	1.40	1.47
1	28-C	149	PRO	N-CD	-5.05	1.40	1.47
1	29-C	149	PRO	N-CD	-5.05	1.40	1.47
1	30-C	149	PRO	N-CD	-5.05	1.40	1.47
1	31-C	149	PRO	N-CD	-5.05	1.40	1.47
1	32-C	149	PRO	N-CD	-5.05	1.40	1.47
1	33-C	149	PRO	N-CD	-5.05	1.40	1.47
1	34-C	149	PRO	N-CD	-5.05	1.40	1.47
1	35-C	149	PRO	N-CD	-5.05	1.40	1.47
1	36-C	149	PRO	N-CD	-5.05	1.40	1.47
1	37-C	149	PRO	N-CD	-5.05	1.40	1.47
1	38-C	149	PRO	N-CD	-5.05	1.40	1.47
1	39-C	149	PRO	N-CD	-5.05	1.40	1.47
1	40-C	149	PRO	N-CD	-5.05	1.40	1.47
1	41-C	149	PRO	N-CD	-5.05	1.40	1.47
1	42-C	149	PRO	N-CD	-5.05	1.40	1.47
1	43-C	149	PRO	N-CD	-5.05	1.40	1.47
1	1-C	588	PRO	N-CD	-5.05	1.40	1.47
1	2-C	588	PRO	N-CD	-5.05	1.40	1.47
1	3-C	588	PRO	N-CD	-5.05	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	4-C	588	PRO	N-CD	-5.05	1.40	1.47
1	5-C	588	PRO	N-CD	-5.05	1.40	1.47
1	6-C	588	PRO	N-CD	-5.05	1.40	1.47
1	7-C	588	PRO	N-CD	-5.05	1.40	1.47
1	8-C	588	PRO	N-CD	-5.05	1.40	1.47
1	9-C	588	PRO	N-CD	-5.05	1.40	1.47
1	10-C	588	PRO	N-CD	-5.05	1.40	1.47
1	11-C	588	PRO	N-CD	-5.05	1.40	1.47
1	12-C	588	PRO	N-CD	-5.05	1.40	1.47
1	13-C	588	PRO	N-CD	-5.05	1.40	1.47
1	14-C	588	PRO	N-CD	-5.05	1.40	1.47
1	15-C	588	PRO	N-CD	-5.05	1.40	1.47
1	16-C	588	PRO	N-CD	-5.05	1.40	1.47
1	17-C	588	PRO	N-CD	-5.05	1.40	1.47
1	18-C	588	PRO	N-CD	-5.05	1.40	1.47
1	19-C	588	PRO	N-CD	-5.05	1.40	1.47
1	20-C	588	PRO	N-CD	-5.05	1.40	1.47
1	21-C	588	PRO	N-CD	-5.05	1.40	1.47
1	22-C	588	PRO	N-CD	-5.05	1.40	1.47
1	23-C	588	PRO	N-CD	-5.05	1.40	1.47
1	24-C	588	PRO	N-CD	-5.05	1.40	1.47
1	25-C	588	PRO	N-CD	-5.05	1.40	1.47
1	26-C	588	PRO	N-CD	-5.05	1.40	1.47
1	27-C	588	PRO	N-CD	-5.05	1.40	1.47
1	28-C	588	PRO	N-CD	-5.05	1.40	1.47
1	29-C	588	PRO	N-CD	-5.05	1.40	1.47
1	30-C	588	PRO	N-CD	-5.05	1.40	1.47
1	31-C	588	PRO	N-CD	-5.05	1.40	1.47
1	32-C	588	PRO	N-CD	-5.05	1.40	1.47
1	33-C	588	PRO	N-CD	-5.05	1.40	1.47
1	34-C	588	PRO	N-CD	-5.05	1.40	1.47
1	35-C	588	PRO	N-CD	-5.05	1.40	1.47
1	36-C	588	PRO	N-CD	-5.05	1.40	1.47
1	37-C	588	PRO	N-CD	-5.05	1.40	1.47
1	38-C	588	PRO	N-CD	-5.05	1.40	1.47
1	39-C	588	PRO	N-CD	-5.05	1.40	1.47
1	40-C	588	PRO	N-CD	-5.05	1.40	1.47
1	41-C	588	PRO	N-CD	-5.05	1.40	1.47
1	42-C	588	PRO	N-CD	-5.05	1.40	1.47
1	43-C	588	PRO	N-CD	-5.05	1.40	1.47
1	1-C	616	PRO	N-CD	-5.04	1.40	1.47
3	1-Z	64	PRO	N-CD	-5.04	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	2-C	616	PRO	N-CD	-5.04	1.40	1.47
3	2-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	3-C	616	PRO	N-CD	-5.04	1.40	1.47
3	3-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	4-C	616	PRO	N-CD	-5.04	1.40	1.47
3	4-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	5-C	616	PRO	N-CD	-5.04	1.40	1.47
3	5-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	6-C	616	PRO	N-CD	-5.04	1.40	1.47
3	6-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	7-C	616	PRO	N-CD	-5.04	1.40	1.47
3	7-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	8-C	616	PRO	N-CD	-5.04	1.40	1.47
3	8-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	9-C	616	PRO	N-CD	-5.04	1.40	1.47
3	9-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	10-C	616	PRO	N-CD	-5.04	1.40	1.47
3	10-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	11-C	616	PRO	N-CD	-5.04	1.40	1.47
3	11-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	12-C	616	PRO	N-CD	-5.04	1.40	1.47
3	12-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	13-C	616	PRO	N-CD	-5.04	1.40	1.47
3	13-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	14-C	616	PRO	N-CD	-5.04	1.40	1.47
3	14-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	15-C	616	PRO	N-CD	-5.04	1.40	1.47
3	15-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	16-C	616	PRO	N-CD	-5.04	1.40	1.47
3	16-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	17-C	616	PRO	N-CD	-5.04	1.40	1.47
3	17-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	18-C	616	PRO	N-CD	-5.04	1.40	1.47
3	18-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	19-C	616	PRO	N-CD	-5.04	1.40	1.47
3	19-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	20-C	616	PRO	N-CD	-5.04	1.40	1.47
3	20-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	21-C	616	PRO	N-CD	-5.04	1.40	1.47
3	21-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	22-C	616	PRO	N-CD	-5.04	1.40	1.47
3	22-Z	64	PRO	N-CD	-5.04	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	23-C	616	PRO	N-CD	-5.04	1.40	1.47
3	23-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	24-C	616	PRO	N-CD	-5.04	1.40	1.47
3	24-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	25-C	616	PRO	N-CD	-5.04	1.40	1.47
3	25-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	26-C	616	PRO	N-CD	-5.04	1.40	1.47
3	26-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	27-C	616	PRO	N-CD	-5.04	1.40	1.47
3	27-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	28-C	616	PRO	N-CD	-5.04	1.40	1.47
3	28-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	29-C	616	PRO	N-CD	-5.04	1.40	1.47
3	29-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	30-C	616	PRO	N-CD	-5.04	1.40	1.47
3	30-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	31-C	616	PRO	N-CD	-5.04	1.40	1.47
3	31-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	32-C	616	PRO	N-CD	-5.04	1.40	1.47
3	32-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	33-C	616	PRO	N-CD	-5.04	1.40	1.47
3	33-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	34-C	616	PRO	N-CD	-5.04	1.40	1.47
3	34-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	35-C	616	PRO	N-CD	-5.04	1.40	1.47
3	35-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	36-C	616	PRO	N-CD	-5.04	1.40	1.47
3	36-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	37-C	616	PRO	N-CD	-5.04	1.40	1.47
3	37-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	38-C	616	PRO	N-CD	-5.04	1.40	1.47
3	38-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	39-C	616	PRO	N-CD	-5.04	1.40	1.47
3	39-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	40-C	616	PRO	N-CD	-5.04	1.40	1.47
3	40-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	41-C	616	PRO	N-CD	-5.04	1.40	1.47
3	41-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	42-C	616	PRO	N-CD	-5.04	1.40	1.47
3	42-Z	64	PRO	N-CD	-5.04	1.40	1.47
1	43-C	616	PRO	N-CD	-5.04	1.40	1.47
3	43-Z	64	PRO	N-CD	-5.04	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	1-C	125	PRO	N-CD	-5.04	1.40	1.47
1	2-C	125	PRO	N-CD	-5.04	1.40	1.47
1	3-C	125	PRO	N-CD	-5.04	1.40	1.47
1	4-C	125	PRO	N-CD	-5.04	1.40	1.47
1	5-C	125	PRO	N-CD	-5.04	1.40	1.47
1	6-C	125	PRO	N-CD	-5.04	1.40	1.47
1	7-C	125	PRO	N-CD	-5.04	1.40	1.47
1	8-C	125	PRO	N-CD	-5.04	1.40	1.47
1	9-C	125	PRO	N-CD	-5.04	1.40	1.47
1	10-C	125	PRO	N-CD	-5.04	1.40	1.47
1	11-C	125	PRO	N-CD	-5.04	1.40	1.47
1	12-C	125	PRO	N-CD	-5.04	1.40	1.47
1	13-C	125	PRO	N-CD	-5.04	1.40	1.47
1	14-C	125	PRO	N-CD	-5.04	1.40	1.47
1	15-C	125	PRO	N-CD	-5.04	1.40	1.47
1	16-C	125	PRO	N-CD	-5.04	1.40	1.47
1	17-C	125	PRO	N-CD	-5.04	1.40	1.47
1	18-C	125	PRO	N-CD	-5.04	1.40	1.47
1	19-C	125	PRO	N-CD	-5.04	1.40	1.47
1	20-C	125	PRO	N-CD	-5.04	1.40	1.47
1	21-C	125	PRO	N-CD	-5.04	1.40	1.47
1	22-C	125	PRO	N-CD	-5.04	1.40	1.47
1	23-C	125	PRO	N-CD	-5.04	1.40	1.47
1	24-C	125	PRO	N-CD	-5.04	1.40	1.47
1	25-C	125	PRO	N-CD	-5.04	1.40	1.47
1	26-C	125	PRO	N-CD	-5.04	1.40	1.47
1	27-C	125	PRO	N-CD	-5.04	1.40	1.47
1	28-C	125	PRO	N-CD	-5.04	1.40	1.47
1	29-C	125	PRO	N-CD	-5.04	1.40	1.47
1	30-C	125	PRO	N-CD	-5.04	1.40	1.47
1	31-C	125	PRO	N-CD	-5.04	1.40	1.47
1	32-C	125	PRO	N-CD	-5.04	1.40	1.47
1	33-C	125	PRO	N-CD	-5.04	1.40	1.47
1	34-C	125	PRO	N-CD	-5.04	1.40	1.47
1	35-C	125	PRO	N-CD	-5.04	1.40	1.47
1	36-C	125	PRO	N-CD	-5.04	1.40	1.47
1	37-C	125	PRO	N-CD	-5.04	1.40	1.47
1	38-C	125	PRO	N-CD	-5.04	1.40	1.47
1	39-C	125	PRO	N-CD	-5.04	1.40	1.47
1	40-C	125	PRO	N-CD	-5.04	1.40	1.47
1	41-C	125	PRO	N-CD	-5.04	1.40	1.47
1	42-C	125	PRO	N-CD	-5.04	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	43-C	125	PRO	N-CD	-5.04	1.40	1.47
1	1-C	401	PRO	N-CD	-5.04	1.40	1.47
1	2-C	401	PRO	N-CD	-5.04	1.40	1.47
1	3-C	401	PRO	N-CD	-5.04	1.40	1.47
1	4-C	401	PRO	N-CD	-5.04	1.40	1.47
1	5-C	401	PRO	N-CD	-5.04	1.40	1.47
1	6-C	401	PRO	N-CD	-5.04	1.40	1.47
1	7-C	401	PRO	N-CD	-5.04	1.40	1.47
1	8-C	401	PRO	N-CD	-5.04	1.40	1.47
1	9-C	401	PRO	N-CD	-5.04	1.40	1.47
1	10-C	401	PRO	N-CD	-5.04	1.40	1.47
1	11-C	401	PRO	N-CD	-5.04	1.40	1.47
1	12-C	401	PRO	N-CD	-5.04	1.40	1.47
1	13-C	401	PRO	N-CD	-5.04	1.40	1.47
1	14-C	401	PRO	N-CD	-5.04	1.40	1.47
1	15-C	401	PRO	N-CD	-5.04	1.40	1.47
1	16-C	401	PRO	N-CD	-5.04	1.40	1.47
1	17-C	401	PRO	N-CD	-5.04	1.40	1.47
1	18-C	401	PRO	N-CD	-5.04	1.40	1.47
1	19-C	401	PRO	N-CD	-5.04	1.40	1.47
1	20-C	401	PRO	N-CD	-5.04	1.40	1.47
1	21-C	401	PRO	N-CD	-5.04	1.40	1.47
1	22-C	401	PRO	N-CD	-5.04	1.40	1.47
1	23-C	401	PRO	N-CD	-5.04	1.40	1.47
1	24-C	401	PRO	N-CD	-5.04	1.40	1.47
1	25-C	401	PRO	N-CD	-5.04	1.40	1.47
1	26-C	401	PRO	N-CD	-5.04	1.40	1.47
1	27-C	401	PRO	N-CD	-5.04	1.40	1.47
1	28-C	401	PRO	N-CD	-5.04	1.40	1.47
1	29-C	401	PRO	N-CD	-5.04	1.40	1.47
1	30-C	401	PRO	N-CD	-5.04	1.40	1.47
1	31-C	401	PRO	N-CD	-5.04	1.40	1.47
1	32-C	401	PRO	N-CD	-5.04	1.40	1.47
1	33-C	401	PRO	N-CD	-5.04	1.40	1.47
1	34-C	401	PRO	N-CD	-5.04	1.40	1.47
1	35-C	401	PRO	N-CD	-5.04	1.40	1.47
1	36-C	401	PRO	N-CD	-5.04	1.40	1.47
1	37-C	401	PRO	N-CD	-5.04	1.40	1.47
1	38-C	401	PRO	N-CD	-5.04	1.40	1.47
1	39-C	401	PRO	N-CD	-5.04	1.40	1.47
1	40-C	401	PRO	N-CD	-5.04	1.40	1.47
1	41-C	401	PRO	N-CD	-5.04	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	42-C	401	PRO	N-CD	-5.04	1.40	1.47
1	43-C	401	PRO	N-CD	-5.04	1.40	1.47
1	1-C	708	PRO	N-CD	-5.03	1.40	1.47
1	2-C	708	PRO	N-CD	-5.03	1.40	1.47
1	3-C	708	PRO	N-CD	-5.03	1.40	1.47
1	4-C	708	PRO	N-CD	-5.03	1.40	1.47
1	5-C	708	PRO	N-CD	-5.03	1.40	1.47
1	6-C	708	PRO	N-CD	-5.03	1.40	1.47
1	7-C	708	PRO	N-CD	-5.03	1.40	1.47
1	8-C	708	PRO	N-CD	-5.03	1.40	1.47
1	9-C	708	PRO	N-CD	-5.03	1.40	1.47
1	10-C	708	PRO	N-CD	-5.03	1.40	1.47
1	11-C	708	PRO	N-CD	-5.03	1.40	1.47
1	12-C	708	PRO	N-CD	-5.03	1.40	1.47
1	13-C	708	PRO	N-CD	-5.03	1.40	1.47
1	14-C	708	PRO	N-CD	-5.03	1.40	1.47
1	15-C	708	PRO	N-CD	-5.03	1.40	1.47
1	16-C	708	PRO	N-CD	-5.03	1.40	1.47
1	17-C	708	PRO	N-CD	-5.03	1.40	1.47
1	18-C	708	PRO	N-CD	-5.03	1.40	1.47
1	19-C	708	PRO	N-CD	-5.03	1.40	1.47
1	20-C	708	PRO	N-CD	-5.03	1.40	1.47
1	21-C	708	PRO	N-CD	-5.03	1.40	1.47
1	22-C	708	PRO	N-CD	-5.03	1.40	1.47
1	23-C	708	PRO	N-CD	-5.03	1.40	1.47
1	24-C	708	PRO	N-CD	-5.03	1.40	1.47
1	25-C	708	PRO	N-CD	-5.03	1.40	1.47
1	26-C	708	PRO	N-CD	-5.03	1.40	1.47
1	27-C	708	PRO	N-CD	-5.03	1.40	1.47
1	28-C	708	PRO	N-CD	-5.03	1.40	1.47
1	29-C	708	PRO	N-CD	-5.03	1.40	1.47
1	30-C	708	PRO	N-CD	-5.03	1.40	1.47
1	31-C	708	PRO	N-CD	-5.03	1.40	1.47
1	32-C	708	PRO	N-CD	-5.03	1.40	1.47
1	33-C	708	PRO	N-CD	-5.03	1.40	1.47
1	34-C	708	PRO	N-CD	-5.03	1.40	1.47
1	35-C	708	PRO	N-CD	-5.03	1.40	1.47
1	36-C	708	PRO	N-CD	-5.03	1.40	1.47
1	37-C	708	PRO	N-CD	-5.03	1.40	1.47
1	38-C	708	PRO	N-CD	-5.03	1.40	1.47
1	39-C	708	PRO	N-CD	-5.03	1.40	1.47
1	40-C	708	PRO	N-CD	-5.03	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	41-C	708	PRO	N-CD	-5.03	1.40	1.47
1	42-C	708	PRO	N-CD	-5.03	1.40	1.47
1	43-C	708	PRO	N-CD	-5.03	1.40	1.47
1	1-C	304	PRO	N-CD	-5.02	1.40	1.47
1	2-C	304	PRO	N-CD	-5.02	1.40	1.47
1	3-C	304	PRO	N-CD	-5.02	1.40	1.47
1	4-C	304	PRO	N-CD	-5.02	1.40	1.47
1	5-C	304	PRO	N-CD	-5.02	1.40	1.47
1	6-C	304	PRO	N-CD	-5.02	1.40	1.47
1	7-C	304	PRO	N-CD	-5.02	1.40	1.47
1	8-C	304	PRO	N-CD	-5.02	1.40	1.47
1	9-C	304	PRO	N-CD	-5.02	1.40	1.47
1	10-C	304	PRO	N-CD	-5.02	1.40	1.47
1	11-C	304	PRO	N-CD	-5.02	1.40	1.47
1	12-C	304	PRO	N-CD	-5.02	1.40	1.47
1	13-C	304	PRO	N-CD	-5.02	1.40	1.47
1	14-C	304	PRO	N-CD	-5.02	1.40	1.47
1	15-C	304	PRO	N-CD	-5.02	1.40	1.47
1	16-C	304	PRO	N-CD	-5.02	1.40	1.47
1	17-C	304	PRO	N-CD	-5.02	1.40	1.47
1	18-C	304	PRO	N-CD	-5.02	1.40	1.47
1	19-C	304	PRO	N-CD	-5.02	1.40	1.47
1	20-C	304	PRO	N-CD	-5.02	1.40	1.47
1	21-C	304	PRO	N-CD	-5.02	1.40	1.47
1	22-C	304	PRO	N-CD	-5.02	1.40	1.47
1	23-C	304	PRO	N-CD	-5.02	1.40	1.47
1	24-C	304	PRO	N-CD	-5.02	1.40	1.47
1	25-C	304	PRO	N-CD	-5.02	1.40	1.47
1	26-C	304	PRO	N-CD	-5.02	1.40	1.47
1	27-C	304	PRO	N-CD	-5.02	1.40	1.47
1	28-C	304	PRO	N-CD	-5.02	1.40	1.47
1	29-C	304	PRO	N-CD	-5.02	1.40	1.47
1	30-C	304	PRO	N-CD	-5.02	1.40	1.47
1	31-C	304	PRO	N-CD	-5.02	1.40	1.47
1	32-C	304	PRO	N-CD	-5.02	1.40	1.47
1	33-C	304	PRO	N-CD	-5.02	1.40	1.47
1	34-C	304	PRO	N-CD	-5.02	1.40	1.47
1	35-C	304	PRO	N-CD	-5.02	1.40	1.47
1	36-C	304	PRO	N-CD	-5.02	1.40	1.47
1	37-C	304	PRO	N-CD	-5.02	1.40	1.47
1	38-C	304	PRO	N-CD	-5.02	1.40	1.47
1	39-C	304	PRO	N-CD	-5.02	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	40-C	304	PRO	N-CD	-5.02	1.40	1.47
1	41-C	304	PRO	N-CD	-5.02	1.40	1.47
1	42-C	304	PRO	N-CD	-5.02	1.40	1.47
1	43-C	304	PRO	N-CD	-5.02	1.40	1.47
3	1-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	2-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	3-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	4-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	5-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	6-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	7-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	8-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	9-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	10-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	11-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	12-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	13-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	14-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	15-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	16-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	17-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	18-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	19-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	20-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	21-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	22-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	23-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	24-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	25-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	26-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	27-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	28-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	29-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	30-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	31-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	32-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	33-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	34-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	35-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	36-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	37-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	38-Z	70	PRO	N-CD	-5.01	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
3	39-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	40-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	41-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	42-Z	70	PRO	N-CD	-5.01	1.40	1.47
3	43-Z	70	PRO	N-CD	-5.01	1.40	1.47
1	1-C	835	PRO	N-CD	-5.01	1.40	1.47
1	2-C	835	PRO	N-CD	-5.01	1.40	1.47
1	3-C	835	PRO	N-CD	-5.01	1.40	1.47
1	4-C	835	PRO	N-CD	-5.01	1.40	1.47
1	5-C	835	PRO	N-CD	-5.01	1.40	1.47
1	6-C	835	PRO	N-CD	-5.01	1.40	1.47
1	7-C	835	PRO	N-CD	-5.01	1.40	1.47
1	8-C	835	PRO	N-CD	-5.01	1.40	1.47
1	9-C	835	PRO	N-CD	-5.01	1.40	1.47
1	10-C	835	PRO	N-CD	-5.01	1.40	1.47
1	11-C	835	PRO	N-CD	-5.01	1.40	1.47
1	12-C	835	PRO	N-CD	-5.01	1.40	1.47
1	13-C	835	PRO	N-CD	-5.01	1.40	1.47
1	14-C	835	PRO	N-CD	-5.01	1.40	1.47
1	15-C	835	PRO	N-CD	-5.01	1.40	1.47
1	16-C	835	PRO	N-CD	-5.01	1.40	1.47
1	17-C	835	PRO	N-CD	-5.01	1.40	1.47
1	18-C	835	PRO	N-CD	-5.01	1.40	1.47
1	19-C	835	PRO	N-CD	-5.01	1.40	1.47
1	20-C	835	PRO	N-CD	-5.01	1.40	1.47
1	21-C	835	PRO	N-CD	-5.01	1.40	1.47
1	22-C	835	PRO	N-CD	-5.01	1.40	1.47
1	23-C	835	PRO	N-CD	-5.01	1.40	1.47
1	24-C	835	PRO	N-CD	-5.01	1.40	1.47
1	25-C	835	PRO	N-CD	-5.01	1.40	1.47
1	26-C	835	PRO	N-CD	-5.01	1.40	1.47
1	27-C	835	PRO	N-CD	-5.01	1.40	1.47
1	28-C	835	PRO	N-CD	-5.01	1.40	1.47
1	29-C	835	PRO	N-CD	-5.01	1.40	1.47
1	30-C	835	PRO	N-CD	-5.01	1.40	1.47
1	31-C	835	PRO	N-CD	-5.01	1.40	1.47
1	32-C	835	PRO	N-CD	-5.01	1.40	1.47
1	33-C	835	PRO	N-CD	-5.01	1.40	1.47
1	34-C	835	PRO	N-CD	-5.01	1.40	1.47
1	35-C	835	PRO	N-CD	-5.01	1.40	1.47
1	36-C	835	PRO	N-CD	-5.01	1.40	1.47
1	37-C	835	PRO	N-CD	-5.01	1.40	1.47

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	38-C	835	PRO	N-CD	-5.01	1.40	1.47
1	39-C	835	PRO	N-CD	-5.01	1.40	1.47
1	40-C	835	PRO	N-CD	-5.01	1.40	1.47
1	41-C	835	PRO	N-CD	-5.01	1.40	1.47
1	42-C	835	PRO	N-CD	-5.01	1.40	1.47
1	43-C	835	PRO	N-CD	-5.01	1.40	1.47

All (5547) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	2-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	3-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	4-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	5-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	6-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	7-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	8-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	9-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	10-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	11-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	12-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	13-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	14-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	15-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	16-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	17-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	18-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	19-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	20-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	21-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	22-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	23-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	24-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	25-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	26-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	27-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	28-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	29-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	30-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	31-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	32-C	505	ILE	O-C-N	-66.49	16.61	123.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	33-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	34-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	35-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	36-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	37-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	38-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	39-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	40-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	41-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	42-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	43-C	505	ILE	O-C-N	-66.49	16.61	123.00
1	1-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	2-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	3-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	4-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	5-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	6-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	7-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	8-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	9-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	10-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	11-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	12-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	13-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	14-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	15-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	16-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	17-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	18-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	19-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	20-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	21-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	22-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	23-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	24-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	25-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	26-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	27-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	28-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	29-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	30-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	31-C	508	GLU	O-C-N	-59.83	27.27	123.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	33-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	34-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	35-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	36-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	37-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	38-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	39-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	40-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	41-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	42-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	43-C	508	GLU	O-C-N	-59.83	27.27	123.00
1	1-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	2-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	3-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	4-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	5-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	6-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	7-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	8-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	9-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	10-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	11-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	12-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	13-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	14-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	15-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	16-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	17-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	18-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	19-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	20-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	21-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	22-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	23-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	24-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	25-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	26-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	27-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	28-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	29-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	30-C	507	TRP	O-C-N	-58.84	28.86	123.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	31-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	32-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	33-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	34-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	35-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	36-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	37-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	38-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	39-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	40-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	41-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	42-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	43-C	507	TRP	O-C-N	-58.84	28.86	123.00
1	1-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	2-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	3-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	4-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	5-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	6-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	7-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	8-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	9-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	10-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	11-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	12-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	13-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	14-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	15-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	16-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	17-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	18-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	19-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	20-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	21-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	22-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	23-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	24-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	25-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	26-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	27-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	28-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	29-C	498	GLU	O-C-N	-52.70	38.68	123.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	30-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	31-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	32-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	33-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	34-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	35-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	36-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	37-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	38-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	39-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	40-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	41-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	42-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	43-C	498	GLU	O-C-N	-52.70	38.68	123.00
1	1-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	2-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	3-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	4-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	5-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	6-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	7-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	8-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	9-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	10-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	11-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	12-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	13-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	14-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	15-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	16-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	17-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	18-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	19-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	20-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	21-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	22-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	23-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	24-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	25-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	26-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	27-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	28-C	509	PHE	O-C-N	-49.95	43.09	123.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	29-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	30-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	31-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	32-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	33-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	34-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	35-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	36-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	37-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	38-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	39-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	40-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	41-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	42-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	43-C	509	PHE	O-C-N	-49.95	43.09	123.00
1	1-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	2-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	3-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	4-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	5-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	6-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	7-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	8-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	9-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	10-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	11-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	12-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	13-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	14-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	15-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	16-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	17-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	18-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	19-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	20-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	21-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	22-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	23-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	24-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	25-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	26-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	27-C	504	GLY	O-C-N	-43.31	53.71	123.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	28-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	29-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	30-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	31-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	32-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	33-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	34-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	35-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	36-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	37-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	38-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	39-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	40-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	41-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	42-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	43-C	504	GLY	O-C-N	-43.31	53.71	123.00
1	1-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	1-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	2-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	2-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	3-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	3-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	4-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	4-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	5-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	5-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	6-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	6-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	7-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	7-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	8-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	8-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	9-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	9-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	10-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	10-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	11-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	11-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	12-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	12-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	13-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	13-C	503	GLU	C-N-CA	-36.95	55.19	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	14-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	14-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	15-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	15-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	16-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	16-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	17-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	17-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	18-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	18-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	19-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	19-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	20-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	20-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	21-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	21-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	22-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	22-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	23-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	23-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	24-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	24-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	25-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	25-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	26-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	26-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	27-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	27-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	28-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	28-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	29-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	29-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	30-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	30-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	31-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	31-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	32-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	32-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	33-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	33-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	34-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	34-C	503	GLU	C-N-CA	-36.95	55.19	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	35-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	35-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	36-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	36-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	37-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	37-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	38-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	38-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	39-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	39-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	40-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	40-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	41-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	41-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	42-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	42-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	43-C	503	GLU	CA-C-N	-36.95	55.19	121.70
1	43-C	503	GLU	C-N-CA	-36.95	55.19	121.70
1	1-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	1-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	2-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	2-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	3-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	3-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	4-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	4-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	5-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	5-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	6-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	6-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	7-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	7-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	8-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	8-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	9-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	9-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	10-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	10-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	11-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	11-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	12-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	12-C	501	LYS	C-N-CA	-34.90	58.87	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	13-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	13-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	14-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	14-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	15-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	15-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	16-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	16-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	17-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	17-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	18-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	18-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	19-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	19-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	20-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	20-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	21-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	21-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	22-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	22-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	23-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	23-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	24-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	24-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	25-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	25-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	26-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	26-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	27-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	27-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	28-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	28-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	29-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	29-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	30-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	30-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	31-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	31-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	32-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	32-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	33-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	33-C	501	LYS	C-N-CA	-34.90	58.87	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	34-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	34-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	35-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	35-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	36-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	36-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	37-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	37-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	38-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	38-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	39-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	39-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	40-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	40-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	41-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	41-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	42-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	42-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	43-C	501	LYS	CA-C-N	-34.90	58.87	121.70
1	43-C	501	LYS	C-N-CA	-34.90	58.87	121.70
1	1-C	709	SER	O-C-N	34.71	165.93	123.24
1	2-C	709	SER	O-C-N	34.71	165.93	123.24
1	3-C	709	SER	O-C-N	34.71	165.93	123.24
1	4-C	709	SER	O-C-N	34.71	165.93	123.24
1	5-C	709	SER	O-C-N	34.71	165.93	123.24
1	6-C	709	SER	O-C-N	34.71	165.93	123.24
1	7-C	709	SER	O-C-N	34.71	165.93	123.24
1	8-C	709	SER	O-C-N	34.71	165.93	123.24
1	9-C	709	SER	O-C-N	34.71	165.93	123.24
1	10-C	709	SER	O-C-N	34.71	165.93	123.24
1	11-C	709	SER	O-C-N	34.71	165.93	123.24
1	12-C	709	SER	O-C-N	34.71	165.93	123.24
1	13-C	709	SER	O-C-N	34.71	165.93	123.24
1	14-C	709	SER	O-C-N	34.71	165.93	123.24
1	15-C	709	SER	O-C-N	34.71	165.93	123.24
1	16-C	709	SER	O-C-N	34.71	165.93	123.24
1	17-C	709	SER	O-C-N	34.71	165.93	123.24
1	18-C	709	SER	O-C-N	34.71	165.93	123.24
1	19-C	709	SER	O-C-N	34.71	165.93	123.24
1	20-C	709	SER	O-C-N	34.71	165.93	123.24
1	21-C	709	SER	O-C-N	34.71	165.93	123.24
1	22-C	709	SER	O-C-N	34.71	165.93	123.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	23-C	709	SER	O-C-N	34.71	165.93	123.24
1	24-C	709	SER	O-C-N	34.71	165.93	123.24
1	25-C	709	SER	O-C-N	34.71	165.93	123.24
1	26-C	709	SER	O-C-N	34.71	165.93	123.24
1	27-C	709	SER	O-C-N	34.71	165.93	123.24
1	28-C	709	SER	O-C-N	34.71	165.93	123.24
1	29-C	709	SER	O-C-N	34.71	165.93	123.24
1	30-C	709	SER	O-C-N	34.71	165.93	123.24
1	31-C	709	SER	O-C-N	34.71	165.93	123.24
1	32-C	709	SER	O-C-N	34.71	165.93	123.24
1	33-C	709	SER	O-C-N	34.71	165.93	123.24
1	34-C	709	SER	O-C-N	34.71	165.93	123.24
1	35-C	709	SER	O-C-N	34.71	165.93	123.24
1	36-C	709	SER	O-C-N	34.71	165.93	123.24
1	37-C	709	SER	O-C-N	34.71	165.93	123.24
1	38-C	709	SER	O-C-N	34.71	165.93	123.24
1	39-C	709	SER	O-C-N	34.71	165.93	123.24
1	40-C	709	SER	O-C-N	34.71	165.93	123.24
1	41-C	709	SER	O-C-N	34.71	165.93	123.24
1	42-C	709	SER	O-C-N	34.71	165.93	123.24
1	43-C	709	SER	O-C-N	34.71	165.93	123.24
1	1-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	1-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	2-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	2-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	3-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	3-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	4-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	4-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	5-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	5-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	6-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	6-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	7-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	7-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	8-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	8-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	9-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	9-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	10-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	10-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	11-C	504	GLY	CA-C-N	-31.23	65.50	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	11-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	12-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	12-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	13-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	13-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	14-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	14-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	15-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	15-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	16-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	16-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	17-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	17-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	18-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	18-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	19-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	19-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	20-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	20-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	21-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	21-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	22-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	22-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	23-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	23-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	24-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	24-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	25-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	25-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	26-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	26-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	27-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	27-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	28-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	28-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	29-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	29-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	30-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	30-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	31-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	31-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	32-C	504	GLY	CA-C-N	-31.23	65.50	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	33-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	33-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	34-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	34-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	35-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	35-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	36-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	36-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	37-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	37-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	38-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	38-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	39-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	39-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	40-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	40-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	41-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	41-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	42-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	42-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	43-C	504	GLY	CA-C-N	-31.23	65.50	121.70
1	43-C	504	GLY	C-N-CA	-31.23	65.50	121.70
1	1-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	1-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	2-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	2-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	3-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	3-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	4-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	4-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	5-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	5-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	6-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	6-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	7-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	7-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	8-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	8-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	9-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	9-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	10-C	508	GLU	CA-C-N	-25.55	75.71	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	10-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	11-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	11-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	12-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	12-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	13-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	13-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	14-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	14-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	15-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	15-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	16-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	16-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	17-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	17-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	18-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	18-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	19-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	19-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	20-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	20-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	21-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	21-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	22-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	22-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	23-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	23-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	24-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	24-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	25-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	25-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	26-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	26-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	27-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	27-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	28-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	28-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	29-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	29-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	30-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	30-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	31-C	508	GLU	CA-C-N	-25.55	75.71	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	31-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	32-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	32-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	33-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	33-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	34-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	34-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	35-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	35-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	36-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	36-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	37-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	37-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	38-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	38-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	39-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	39-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	40-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	40-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	41-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	41-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	42-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	42-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	43-C	508	GLU	CA-C-N	-25.55	75.71	121.70
1	43-C	508	GLU	C-N-CA	-25.55	75.71	121.70
1	1-C	482	GLU	O-C-N	22.10	151.98	122.59
1	2-C	482	GLU	O-C-N	22.10	151.98	122.59
1	3-C	482	GLU	O-C-N	22.10	151.98	122.59
1	4-C	482	GLU	O-C-N	22.10	151.98	122.59
1	5-C	482	GLU	O-C-N	22.10	151.98	122.59
1	6-C	482	GLU	O-C-N	22.10	151.98	122.59
1	7-C	482	GLU	O-C-N	22.10	151.98	122.59
1	8-C	482	GLU	O-C-N	22.10	151.98	122.59
1	9-C	482	GLU	O-C-N	22.10	151.98	122.59
1	10-C	482	GLU	O-C-N	22.10	151.98	122.59
1	11-C	482	GLU	O-C-N	22.10	151.98	122.59
1	12-C	482	GLU	O-C-N	22.10	151.98	122.59
1	13-C	482	GLU	O-C-N	22.10	151.98	122.59
1	14-C	482	GLU	O-C-N	22.10	151.98	122.59
1	15-C	482	GLU	O-C-N	22.10	151.98	122.59
1	16-C	482	GLU	O-C-N	22.10	151.98	122.59
1	17-C	482	GLU	O-C-N	22.10	151.98	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	18-C	482	GLU	O-C-N	22.10	151.98	122.59
1	19-C	482	GLU	O-C-N	22.10	151.98	122.59
1	20-C	482	GLU	O-C-N	22.10	151.98	122.59
1	21-C	482	GLU	O-C-N	22.10	151.98	122.59
1	22-C	482	GLU	O-C-N	22.10	151.98	122.59
1	23-C	482	GLU	O-C-N	22.10	151.98	122.59
1	24-C	482	GLU	O-C-N	22.10	151.98	122.59
1	25-C	482	GLU	O-C-N	22.10	151.98	122.59
1	26-C	482	GLU	O-C-N	22.10	151.98	122.59
1	27-C	482	GLU	O-C-N	22.10	151.98	122.59
1	28-C	482	GLU	O-C-N	22.10	151.98	122.59
1	29-C	482	GLU	O-C-N	22.10	151.98	122.59
1	30-C	482	GLU	O-C-N	22.10	151.98	122.59
1	31-C	482	GLU	O-C-N	22.10	151.98	122.59
1	32-C	482	GLU	O-C-N	22.10	151.98	122.59
1	33-C	482	GLU	O-C-N	22.10	151.98	122.59
1	34-C	482	GLU	O-C-N	22.10	151.98	122.59
1	35-C	482	GLU	O-C-N	22.10	151.98	122.59
1	36-C	482	GLU	O-C-N	22.10	151.98	122.59
1	37-C	482	GLU	O-C-N	22.10	151.98	122.59
1	38-C	482	GLU	O-C-N	22.10	151.98	122.59
1	39-C	482	GLU	O-C-N	22.10	151.98	122.59
1	40-C	482	GLU	O-C-N	22.10	151.98	122.59
1	41-C	482	GLU	O-C-N	22.10	151.98	122.59
1	42-C	482	GLU	O-C-N	22.10	151.98	122.59
1	43-C	482	GLU	O-C-N	22.10	151.98	122.59
1	1-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	1-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	2-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	2-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	3-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	3-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	4-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	4-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	5-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	5-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	6-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	6-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	7-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	7-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	8-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	8-C	147	GLU	C-N-CA	-21.57	82.87	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	9-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	9-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	10-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	10-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	11-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	11-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	12-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	12-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	13-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	13-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	14-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	14-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	15-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	15-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	16-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	16-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	17-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	17-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	18-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	18-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	19-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	19-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	20-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	20-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	21-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	21-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	22-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	22-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	23-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	23-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	24-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	24-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	25-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	25-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	26-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	26-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	27-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	27-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	28-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	28-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	29-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	29-C	147	GLU	C-N-CA	-21.57	82.87	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	30-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	30-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	31-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	31-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	32-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	32-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	33-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	33-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	34-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	34-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	35-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	35-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	36-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	36-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	37-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	37-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	38-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	38-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	39-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	39-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	40-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	40-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	41-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	41-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	42-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	42-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	43-C	147	GLU	CA-C-N	-21.57	82.87	121.70
1	43-C	147	GLU	C-N-CA	-21.57	82.87	121.70
1	1-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	1-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	2-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	2-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	3-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	3-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	4-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	4-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	5-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	5-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	6-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	6-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	7-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	7-C	505	ILE	C-N-CA	-19.71	86.22	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	8-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	8-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	9-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	9-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	10-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	10-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	11-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	11-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	12-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	12-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	13-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	13-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	14-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	14-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	15-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	15-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	16-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	16-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	17-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	17-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	18-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	18-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	19-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	19-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	20-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	20-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	21-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	21-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	22-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	22-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	23-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	23-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	24-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	24-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	25-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	25-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	26-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	26-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	27-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	27-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	28-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	28-C	505	ILE	C-N-CA	-19.71	86.22	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	29-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	29-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	30-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	30-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	31-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	31-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	32-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	32-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	33-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	33-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	34-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	34-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	35-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	35-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	36-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	36-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	37-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	37-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	38-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	38-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	39-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	39-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	40-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	40-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	41-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	41-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	42-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	42-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	43-C	505	ILE	CA-C-N	-19.71	86.22	121.70
1	43-C	505	ILE	C-N-CA	-19.71	86.22	121.70
1	1-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	2-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	3-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	4-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	5-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	6-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	7-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	8-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	9-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	10-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	11-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	12-C	506	ALA	O-C-N	-19.48	91.83	123.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	13-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	14-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	15-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	16-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	17-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	18-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	19-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	20-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	21-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	22-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	23-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	24-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	25-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	26-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	27-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	28-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	29-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	30-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	31-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	32-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	33-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	34-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	35-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	36-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	37-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	38-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	39-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	40-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	41-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	42-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	43-C	506	ALA	O-C-N	-19.48	91.83	123.00
1	1-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	1-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	2-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	2-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	3-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	3-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	4-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	4-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	5-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	5-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	6-C	462	ALA	CA-C-N	-19.45	99.30	122.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	7-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	7-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	8-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	8-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	9-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	9-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	10-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	10-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	11-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	11-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	12-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	12-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	13-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	13-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	14-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	14-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	15-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	15-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	16-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	16-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	17-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	17-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	18-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	18-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	19-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	19-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	20-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	20-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	21-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	21-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	22-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	22-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	23-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	23-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	24-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	24-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	25-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	25-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	26-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	26-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	27-C	462	ALA	CA-C-N	-19.45	99.30	122.83

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	27-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	28-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	28-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	29-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	29-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	30-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	30-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	31-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	31-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	32-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	32-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	33-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	33-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	34-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	34-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	35-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	35-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	36-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	36-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	37-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	37-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	38-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	38-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	39-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	39-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	40-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	40-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	41-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	41-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	42-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	42-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	43-C	462	ALA	CA-C-N	-19.45	99.30	122.83
1	43-C	462	ALA	C-N-CA	-19.45	99.30	122.83
1	1-C	503	GLU	O-C-N	18.54	152.67	123.00
1	2-C	503	GLU	O-C-N	18.54	152.67	123.00
1	3-C	503	GLU	O-C-N	18.54	152.67	123.00
1	4-C	503	GLU	O-C-N	18.54	152.67	123.00
1	5-C	503	GLU	O-C-N	18.54	152.67	123.00
1	6-C	503	GLU	O-C-N	18.54	152.67	123.00
1	7-C	503	GLU	O-C-N	18.54	152.67	123.00
1	8-C	503	GLU	O-C-N	18.54	152.67	123.00
1	9-C	503	GLU	O-C-N	18.54	152.67	123.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	10-C	503	GLU	O-C-N	18.54	152.67	123.00
1	11-C	503	GLU	O-C-N	18.54	152.67	123.00
1	12-C	503	GLU	O-C-N	18.54	152.67	123.00
1	13-C	503	GLU	O-C-N	18.54	152.67	123.00
1	14-C	503	GLU	O-C-N	18.54	152.67	123.00
1	15-C	503	GLU	O-C-N	18.54	152.67	123.00
1	16-C	503	GLU	O-C-N	18.54	152.67	123.00
1	17-C	503	GLU	O-C-N	18.54	152.67	123.00
1	18-C	503	GLU	O-C-N	18.54	152.67	123.00
1	19-C	503	GLU	O-C-N	18.54	152.67	123.00
1	20-C	503	GLU	O-C-N	18.54	152.67	123.00
1	21-C	503	GLU	O-C-N	18.54	152.67	123.00
1	22-C	503	GLU	O-C-N	18.54	152.67	123.00
1	23-C	503	GLU	O-C-N	18.54	152.67	123.00
1	24-C	503	GLU	O-C-N	18.54	152.67	123.00
1	25-C	503	GLU	O-C-N	18.54	152.67	123.00
1	26-C	503	GLU	O-C-N	18.54	152.67	123.00
1	27-C	503	GLU	O-C-N	18.54	152.67	123.00
1	28-C	503	GLU	O-C-N	18.54	152.67	123.00
1	29-C	503	GLU	O-C-N	18.54	152.67	123.00
1	30-C	503	GLU	O-C-N	18.54	152.67	123.00
1	31-C	503	GLU	O-C-N	18.54	152.67	123.00
1	32-C	503	GLU	O-C-N	18.54	152.67	123.00
1	33-C	503	GLU	O-C-N	18.54	152.67	123.00
1	34-C	503	GLU	O-C-N	18.54	152.67	123.00
1	35-C	503	GLU	O-C-N	18.54	152.67	123.00
1	36-C	503	GLU	O-C-N	18.54	152.67	123.00
1	37-C	503	GLU	O-C-N	18.54	152.67	123.00
1	38-C	503	GLU	O-C-N	18.54	152.67	123.00
1	39-C	503	GLU	O-C-N	18.54	152.67	123.00
1	40-C	503	GLU	O-C-N	18.54	152.67	123.00
1	41-C	503	GLU	O-C-N	18.54	152.67	123.00
1	42-C	503	GLU	O-C-N	18.54	152.67	123.00
1	43-C	503	GLU	O-C-N	18.54	152.67	123.00
1	1-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	1-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	2-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	2-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	3-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	3-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	4-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	4-C	498	GLU	C-N-CA	-17.71	89.83	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	5-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	6-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	6-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	7-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	7-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	8-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	8-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	9-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	9-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	10-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	10-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	11-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	11-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	12-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	12-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	13-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	13-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	14-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	14-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	15-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	15-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	16-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	16-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	17-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	17-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	18-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	18-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	19-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	19-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	20-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	20-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	21-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	21-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	22-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	22-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	23-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	23-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	24-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	24-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	25-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	25-C	498	GLU	C-N-CA	-17.71	89.83	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	26-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	26-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	27-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	27-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	28-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	28-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	29-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	29-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	30-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	30-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	31-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	31-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	32-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	32-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	33-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	33-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	34-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	34-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	35-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	35-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	36-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	36-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	37-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	37-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	38-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	38-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	39-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	39-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	40-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	40-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	41-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	41-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	42-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	42-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	43-C	498	GLU	CA-C-N	-17.71	89.83	121.70
1	43-C	498	GLU	C-N-CA	-17.71	89.83	121.70
1	1-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	1-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	2-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	2-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	3-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	3-C	709	SER	C-N-CA	-16.45	94.70	122.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	4-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	5-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	5-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	6-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	6-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	7-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	7-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	8-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	8-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	9-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	9-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	10-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	10-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	11-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	11-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	12-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	12-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	13-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	13-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	14-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	14-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	15-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	15-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	16-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	16-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	17-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	17-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	18-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	18-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	19-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	19-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	20-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	20-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	21-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	21-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	22-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	22-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	23-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	23-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	24-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	24-C	709	SER	C-N-CA	-16.45	94.70	122.33

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	25-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	25-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	26-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	26-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	27-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	27-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	28-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	28-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	29-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	29-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	30-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	30-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	31-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	31-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	32-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	32-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	33-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	33-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	34-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	34-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	35-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	35-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	36-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	36-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	37-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	37-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	38-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	38-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	39-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	39-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	40-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	40-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	41-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	41-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	42-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	42-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	43-C	709	SER	CA-C-N	-16.45	94.70	122.33
1	43-C	709	SER	C-N-CA	-16.45	94.70	122.33
1	1-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	1-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	2-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	2-C	507	TRP	C-N-CA	-16.09	92.73	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	3-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	4-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	4-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	5-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	5-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	6-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	6-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	7-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	7-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	8-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	8-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	9-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	9-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	10-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	10-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	11-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	11-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	12-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	12-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	13-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	13-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	14-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	14-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	15-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	15-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	16-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	16-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	17-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	17-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	18-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	18-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	19-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	19-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	20-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	20-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	21-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	21-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	22-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	22-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	23-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	23-C	507	TRP	C-N-CA	-16.09	92.73	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	24-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	24-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	25-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	25-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	26-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	26-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	27-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	27-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	28-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	28-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	29-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	29-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	30-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	30-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	31-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	31-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	32-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	32-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	33-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	33-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	34-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	34-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	35-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	35-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	36-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	36-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	37-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	37-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	38-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	38-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	39-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	39-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	40-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	40-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	41-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	41-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	42-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	42-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	43-C	507	TRP	CA-C-N	-16.09	92.73	121.70
1	43-C	507	TRP	C-N-CA	-16.09	92.73	121.70
1	1-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	2-C	600	ASP	C-N-CD	-14.28	66.45	125.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	3-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	4-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	5-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	6-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	7-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	8-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	9-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	10-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	11-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	12-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	13-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	14-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	15-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	16-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	17-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	18-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	19-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	20-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	21-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	22-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	23-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	24-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	25-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	26-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	27-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	28-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	29-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	30-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	31-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	32-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	33-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	34-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	35-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	36-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	37-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	38-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	39-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	40-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	41-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	42-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	43-C	600	ASP	C-N-CD	-14.28	66.45	125.00
1	1-C	824	TRP	O-C-N	-13.96	102.21	122.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	3-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	4-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	5-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	6-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	7-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	8-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	9-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	10-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	11-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	12-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	13-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	14-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	15-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	16-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	17-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	18-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	19-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	20-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	21-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	22-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	23-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	24-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	25-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	26-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	27-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	28-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	29-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	30-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	31-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	32-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	33-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	34-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	35-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	36-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	37-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	38-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	39-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	40-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	41-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	42-C	824	TRP	O-C-N	-13.96	102.21	122.87
1	43-C	824	TRP	O-C-N	-13.96	102.21	122.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1-C	76	SER	O-C-N	-13.09	105.11	122.77
1	2-C	76	SER	O-C-N	-13.09	105.11	122.77
1	3-C	76	SER	O-C-N	-13.09	105.11	122.77
1	4-C	76	SER	O-C-N	-13.09	105.11	122.77
1	5-C	76	SER	O-C-N	-13.09	105.11	122.77
1	6-C	76	SER	O-C-N	-13.09	105.11	122.77
1	7-C	76	SER	O-C-N	-13.09	105.11	122.77
1	8-C	76	SER	O-C-N	-13.09	105.11	122.77
1	9-C	76	SER	O-C-N	-13.09	105.11	122.77
1	10-C	76	SER	O-C-N	-13.09	105.11	122.77
1	11-C	76	SER	O-C-N	-13.09	105.11	122.77
1	12-C	76	SER	O-C-N	-13.09	105.11	122.77
1	13-C	76	SER	O-C-N	-13.09	105.11	122.77
1	14-C	76	SER	O-C-N	-13.09	105.11	122.77
1	15-C	76	SER	O-C-N	-13.09	105.11	122.77
1	16-C	76	SER	O-C-N	-13.09	105.11	122.77
1	17-C	76	SER	O-C-N	-13.09	105.11	122.77
1	18-C	76	SER	O-C-N	-13.09	105.11	122.77
1	19-C	76	SER	O-C-N	-13.09	105.11	122.77
1	20-C	76	SER	O-C-N	-13.09	105.11	122.77
1	21-C	76	SER	O-C-N	-13.09	105.11	122.77
1	22-C	76	SER	O-C-N	-13.09	105.11	122.77
1	23-C	76	SER	O-C-N	-13.09	105.11	122.77
1	24-C	76	SER	O-C-N	-13.09	105.11	122.77
1	25-C	76	SER	O-C-N	-13.09	105.11	122.77
1	26-C	76	SER	O-C-N	-13.09	105.11	122.77
1	27-C	76	SER	O-C-N	-13.09	105.11	122.77
1	28-C	76	SER	O-C-N	-13.09	105.11	122.77
1	29-C	76	SER	O-C-N	-13.09	105.11	122.77
1	30-C	76	SER	O-C-N	-13.09	105.11	122.77
1	31-C	76	SER	O-C-N	-13.09	105.11	122.77
1	32-C	76	SER	O-C-N	-13.09	105.11	122.77
1	33-C	76	SER	O-C-N	-13.09	105.11	122.77
1	34-C	76	SER	O-C-N	-13.09	105.11	122.77
1	35-C	76	SER	O-C-N	-13.09	105.11	122.77
1	36-C	76	SER	O-C-N	-13.09	105.11	122.77
1	37-C	76	SER	O-C-N	-13.09	105.11	122.77
1	38-C	76	SER	O-C-N	-13.09	105.11	122.77
1	39-C	76	SER	O-C-N	-13.09	105.11	122.77
1	40-C	76	SER	O-C-N	-13.09	105.11	122.77
1	41-C	76	SER	O-C-N	-13.09	105.11	122.77
1	42-C	76	SER	O-C-N	-13.09	105.11	122.77

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	43-C	76	SER	O-C-N	-13.09	105.11	122.77
1	1-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	1-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	2-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	2-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	3-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	3-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	4-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	4-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	5-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	5-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	6-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	6-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	7-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	7-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	8-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	8-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	9-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	9-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	10-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	10-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	11-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	11-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	12-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	12-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	13-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	13-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	14-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	14-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	15-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	15-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	16-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	16-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	17-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	17-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	18-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	18-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	19-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	19-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	20-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	20-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	21-C	506	ALA	CA-C-N	-12.83	98.60	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	21-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	22-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	22-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	23-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	23-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	24-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	24-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	25-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	25-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	26-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	26-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	27-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	27-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	28-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	28-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	29-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	29-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	30-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	30-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	31-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	31-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	32-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	32-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	33-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	33-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	34-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	34-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	35-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	35-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	36-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	36-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	37-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	37-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	38-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	38-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	39-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	39-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	40-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	40-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	41-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	41-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	42-C	506	ALA	CA-C-N	-12.83	98.60	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	42-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	43-C	506	ALA	CA-C-N	-12.83	98.60	121.70
1	43-C	506	ALA	C-N-CA	-12.83	98.60	121.70
1	1-C	502	LYS	O-C-N	11.92	142.07	123.00
1	2-C	502	LYS	O-C-N	11.92	142.07	123.00
1	3-C	502	LYS	O-C-N	11.92	142.07	123.00
1	4-C	502	LYS	O-C-N	11.92	142.07	123.00
1	5-C	502	LYS	O-C-N	11.92	142.07	123.00
1	6-C	502	LYS	O-C-N	11.92	142.07	123.00
1	7-C	502	LYS	O-C-N	11.92	142.07	123.00
1	8-C	502	LYS	O-C-N	11.92	142.07	123.00
1	9-C	502	LYS	O-C-N	11.92	142.07	123.00
1	10-C	502	LYS	O-C-N	11.92	142.07	123.00
1	11-C	502	LYS	O-C-N	11.92	142.07	123.00
1	12-C	502	LYS	O-C-N	11.92	142.07	123.00
1	13-C	502	LYS	O-C-N	11.92	142.07	123.00
1	14-C	502	LYS	O-C-N	11.92	142.07	123.00
1	15-C	502	LYS	O-C-N	11.92	142.07	123.00
1	16-C	502	LYS	O-C-N	11.92	142.07	123.00
1	17-C	502	LYS	O-C-N	11.92	142.07	123.00
1	18-C	502	LYS	O-C-N	11.92	142.07	123.00
1	19-C	502	LYS	O-C-N	11.92	142.07	123.00
1	20-C	502	LYS	O-C-N	11.92	142.07	123.00
1	21-C	502	LYS	O-C-N	11.92	142.07	123.00
1	22-C	502	LYS	O-C-N	11.92	142.07	123.00
1	23-C	502	LYS	O-C-N	11.92	142.07	123.00
1	24-C	502	LYS	O-C-N	11.92	142.07	123.00
1	25-C	502	LYS	O-C-N	11.92	142.07	123.00
1	26-C	502	LYS	O-C-N	11.92	142.07	123.00
1	27-C	502	LYS	O-C-N	11.92	142.07	123.00
1	28-C	502	LYS	O-C-N	11.92	142.07	123.00
1	29-C	502	LYS	O-C-N	11.92	142.07	123.00
1	30-C	502	LYS	O-C-N	11.92	142.07	123.00
1	31-C	502	LYS	O-C-N	11.92	142.07	123.00
1	32-C	502	LYS	O-C-N	11.92	142.07	123.00
1	33-C	502	LYS	O-C-N	11.92	142.07	123.00
1	34-C	502	LYS	O-C-N	11.92	142.07	123.00
1	35-C	502	LYS	O-C-N	11.92	142.07	123.00
1	36-C	502	LYS	O-C-N	11.92	142.07	123.00
1	37-C	502	LYS	O-C-N	11.92	142.07	123.00
1	38-C	502	LYS	O-C-N	11.92	142.07	123.00
1	39-C	502	LYS	O-C-N	11.92	142.07	123.00

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	40-C	502	LYS	O-C-N	11.92	142.07	123.00
1	41-C	502	LYS	O-C-N	11.92	142.07	123.00
1	42-C	502	LYS	O-C-N	11.92	142.07	123.00
1	43-C	502	LYS	O-C-N	11.92	142.07	123.00
1	1-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	2-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	3-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	4-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	5-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	6-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	7-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	8-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	9-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	10-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	11-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	12-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	13-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	14-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	15-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	16-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	17-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	18-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	19-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	20-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	21-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	22-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	23-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	24-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	25-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	26-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	27-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	28-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	29-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	30-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	31-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	32-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	33-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	34-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	35-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	36-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	37-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	38-C	815	ILE	N-CA-C	-11.80	101.16	112.96

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	39-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	40-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	41-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	42-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	43-C	815	ILE	N-CA-C	-11.80	101.16	112.96
1	1-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	1-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	2-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	2-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	3-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	3-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	4-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	4-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	5-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	5-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	6-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	6-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	7-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	7-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	8-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	8-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	9-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	9-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	10-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	10-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	11-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	11-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	12-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	12-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	13-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	13-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	14-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	14-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	15-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	15-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	16-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	16-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	17-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	17-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	18-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	18-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	19-C	482	GLU	CA-C-N	-10.93	100.66	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	19-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	20-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	20-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	21-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	21-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	22-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	22-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	23-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	23-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	24-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	24-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	25-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	25-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	26-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	26-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	27-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	27-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	28-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	28-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	29-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	29-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	30-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	30-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	31-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	31-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	32-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	32-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	33-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	33-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	34-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	34-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	35-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	35-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	36-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	36-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	37-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	37-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	38-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	38-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	39-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	39-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	40-C	482	GLU	CA-C-N	-10.93	100.66	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	40-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	41-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	41-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	42-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	42-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	43-C	482	GLU	CA-C-N	-10.93	100.66	121.54
1	43-C	482	GLU	C-N-CA	-10.93	100.66	121.54
1	1-C	115	TYR	O-C-N	10.38	135.20	123.16
1	2-C	115	TYR	O-C-N	10.38	135.20	123.16
1	3-C	115	TYR	O-C-N	10.38	135.20	123.16
1	4-C	115	TYR	O-C-N	10.38	135.20	123.16
1	5-C	115	TYR	O-C-N	10.38	135.20	123.16
1	6-C	115	TYR	O-C-N	10.38	135.20	123.16
1	7-C	115	TYR	O-C-N	10.38	135.20	123.16
1	8-C	115	TYR	O-C-N	10.38	135.20	123.16
1	9-C	115	TYR	O-C-N	10.38	135.20	123.16
1	10-C	115	TYR	O-C-N	10.38	135.20	123.16
1	11-C	115	TYR	O-C-N	10.38	135.20	123.16
1	12-C	115	TYR	O-C-N	10.38	135.20	123.16
1	13-C	115	TYR	O-C-N	10.38	135.20	123.16
1	14-C	115	TYR	O-C-N	10.38	135.20	123.16
1	15-C	115	TYR	O-C-N	10.38	135.20	123.16
1	16-C	115	TYR	O-C-N	10.38	135.20	123.16
1	17-C	115	TYR	O-C-N	10.38	135.20	123.16
1	18-C	115	TYR	O-C-N	10.38	135.20	123.16
1	19-C	115	TYR	O-C-N	10.38	135.20	123.16
1	20-C	115	TYR	O-C-N	10.38	135.20	123.16
1	21-C	115	TYR	O-C-N	10.38	135.20	123.16
1	22-C	115	TYR	O-C-N	10.38	135.20	123.16
1	23-C	115	TYR	O-C-N	10.38	135.20	123.16
1	24-C	115	TYR	O-C-N	10.38	135.20	123.16
1	25-C	115	TYR	O-C-N	10.38	135.20	123.16
1	26-C	115	TYR	O-C-N	10.38	135.20	123.16
1	27-C	115	TYR	O-C-N	10.38	135.20	123.16
1	28-C	115	TYR	O-C-N	10.38	135.20	123.16
1	29-C	115	TYR	O-C-N	10.38	135.20	123.16
1	30-C	115	TYR	O-C-N	10.38	135.20	123.16
1	31-C	115	TYR	O-C-N	10.38	135.20	123.16
1	32-C	115	TYR	O-C-N	10.38	135.20	123.16
1	33-C	115	TYR	O-C-N	10.38	135.20	123.16
1	34-C	115	TYR	O-C-N	10.38	135.20	123.16
1	35-C	115	TYR	O-C-N	10.38	135.20	123.16

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36-C	115	TYR	O-C-N	10.38	135.20	123.16
1	37-C	115	TYR	O-C-N	10.38	135.20	123.16
1	38-C	115	TYR	O-C-N	10.38	135.20	123.16
1	39-C	115	TYR	O-C-N	10.38	135.20	123.16
1	40-C	115	TYR	O-C-N	10.38	135.20	123.16
1	41-C	115	TYR	O-C-N	10.38	135.20	123.16
1	42-C	115	TYR	O-C-N	10.38	135.20	123.16
1	43-C	115	TYR	O-C-N	10.38	135.20	123.16
1	1-C	76	SER	CA-C-N	10.21	138.12	120.87
1	1-C	76	SER	C-N-CA	10.21	138.12	120.87
1	2-C	76	SER	CA-C-N	10.21	138.12	120.87
1	2-C	76	SER	C-N-CA	10.21	138.12	120.87
1	3-C	76	SER	CA-C-N	10.21	138.12	120.87
1	3-C	76	SER	C-N-CA	10.21	138.12	120.87
1	4-C	76	SER	CA-C-N	10.21	138.12	120.87
1	4-C	76	SER	C-N-CA	10.21	138.12	120.87
1	5-C	76	SER	CA-C-N	10.21	138.12	120.87
1	5-C	76	SER	C-N-CA	10.21	138.12	120.87
1	6-C	76	SER	CA-C-N	10.21	138.12	120.87
1	6-C	76	SER	C-N-CA	10.21	138.12	120.87
1	7-C	76	SER	CA-C-N	10.21	138.12	120.87
1	7-C	76	SER	C-N-CA	10.21	138.12	120.87
1	8-C	76	SER	CA-C-N	10.21	138.12	120.87
1	8-C	76	SER	C-N-CA	10.21	138.12	120.87
1	9-C	76	SER	CA-C-N	10.21	138.12	120.87
1	9-C	76	SER	C-N-CA	10.21	138.12	120.87
1	10-C	76	SER	CA-C-N	10.21	138.12	120.87
1	10-C	76	SER	C-N-CA	10.21	138.12	120.87
1	11-C	76	SER	CA-C-N	10.21	138.12	120.87
1	11-C	76	SER	C-N-CA	10.21	138.12	120.87
1	12-C	76	SER	CA-C-N	10.21	138.12	120.87
1	12-C	76	SER	C-N-CA	10.21	138.12	120.87
1	13-C	76	SER	CA-C-N	10.21	138.12	120.87
1	13-C	76	SER	C-N-CA	10.21	138.12	120.87
1	14-C	76	SER	CA-C-N	10.21	138.12	120.87
1	14-C	76	SER	C-N-CA	10.21	138.12	120.87
1	15-C	76	SER	CA-C-N	10.21	138.12	120.87
1	15-C	76	SER	C-N-CA	10.21	138.12	120.87
1	16-C	76	SER	CA-C-N	10.21	138.12	120.87
1	16-C	76	SER	C-N-CA	10.21	138.12	120.87
1	17-C	76	SER	CA-C-N	10.21	138.12	120.87
1	17-C	76	SER	C-N-CA	10.21	138.12	120.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	18-C	76	SER	CA-C-N	10.21	138.12	120.87
1	18-C	76	SER	C-N-CA	10.21	138.12	120.87
1	19-C	76	SER	CA-C-N	10.21	138.12	120.87
1	19-C	76	SER	C-N-CA	10.21	138.12	120.87
1	20-C	76	SER	CA-C-N	10.21	138.12	120.87
1	20-C	76	SER	C-N-CA	10.21	138.12	120.87
1	21-C	76	SER	CA-C-N	10.21	138.12	120.87
1	21-C	76	SER	C-N-CA	10.21	138.12	120.87
1	22-C	76	SER	CA-C-N	10.21	138.12	120.87
1	22-C	76	SER	C-N-CA	10.21	138.12	120.87
1	23-C	76	SER	CA-C-N	10.21	138.12	120.87
1	23-C	76	SER	C-N-CA	10.21	138.12	120.87
1	24-C	76	SER	CA-C-N	10.21	138.12	120.87
1	24-C	76	SER	C-N-CA	10.21	138.12	120.87
1	25-C	76	SER	CA-C-N	10.21	138.12	120.87
1	25-C	76	SER	C-N-CA	10.21	138.12	120.87
1	26-C	76	SER	CA-C-N	10.21	138.12	120.87
1	26-C	76	SER	C-N-CA	10.21	138.12	120.87
1	27-C	76	SER	CA-C-N	10.21	138.12	120.87
1	27-C	76	SER	C-N-CA	10.21	138.12	120.87
1	28-C	76	SER	CA-C-N	10.21	138.12	120.87
1	28-C	76	SER	C-N-CA	10.21	138.12	120.87
1	29-C	76	SER	CA-C-N	10.21	138.12	120.87
1	29-C	76	SER	C-N-CA	10.21	138.12	120.87
1	30-C	76	SER	CA-C-N	10.21	138.12	120.87
1	30-C	76	SER	C-N-CA	10.21	138.12	120.87
1	31-C	76	SER	CA-C-N	10.21	138.12	120.87
1	31-C	76	SER	C-N-CA	10.21	138.12	120.87
1	32-C	76	SER	CA-C-N	10.21	138.12	120.87
1	32-C	76	SER	C-N-CA	10.21	138.12	120.87
1	33-C	76	SER	CA-C-N	10.21	138.12	120.87
1	33-C	76	SER	C-N-CA	10.21	138.12	120.87
1	34-C	76	SER	CA-C-N	10.21	138.12	120.87
1	34-C	76	SER	C-N-CA	10.21	138.12	120.87
1	35-C	76	SER	CA-C-N	10.21	138.12	120.87
1	35-C	76	SER	C-N-CA	10.21	138.12	120.87
1	36-C	76	SER	CA-C-N	10.21	138.12	120.87
1	36-C	76	SER	C-N-CA	10.21	138.12	120.87
1	37-C	76	SER	CA-C-N	10.21	138.12	120.87
1	37-C	76	SER	C-N-CA	10.21	138.12	120.87
1	38-C	76	SER	CA-C-N	10.21	138.12	120.87
1	38-C	76	SER	C-N-CA	10.21	138.12	120.87

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	39-C	76	SER	CA-C-N	10.21	138.12	120.87
1	39-C	76	SER	C-N-CA	10.21	138.12	120.87
1	40-C	76	SER	CA-C-N	10.21	138.12	120.87
1	40-C	76	SER	C-N-CA	10.21	138.12	120.87
1	41-C	76	SER	CA-C-N	10.21	138.12	120.87
1	41-C	76	SER	C-N-CA	10.21	138.12	120.87
1	42-C	76	SER	CA-C-N	10.21	138.12	120.87
1	42-C	76	SER	C-N-CA	10.21	138.12	120.87
1	43-C	76	SER	CA-C-N	10.21	138.12	120.87
1	43-C	76	SER	C-N-CA	10.21	138.12	120.87
1	1-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	1-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	2-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	2-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	3-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	3-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	4-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	4-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	5-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	5-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	6-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	6-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	7-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	7-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	8-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	8-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	9-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	9-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	10-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	10-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	11-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	11-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	12-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	12-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	13-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	13-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	14-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	14-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	15-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	15-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	16-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	16-C	824	TRP	C-N-CA	9.87	140.38	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	17-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	17-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	18-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	18-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	19-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	19-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	20-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	20-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	21-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	21-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	22-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	22-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	23-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	23-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	24-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	24-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	25-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	25-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	26-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	26-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	27-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	27-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	28-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	28-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	29-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	29-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	30-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	30-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	31-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	31-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	32-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	32-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	33-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	33-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	34-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	34-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	35-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	35-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	36-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	36-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	37-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	37-C	824	TRP	C-N-CA	9.87	140.38	121.54

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	38-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	38-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	39-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	39-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	40-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	40-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	41-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	41-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	42-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	42-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	43-C	824	TRP	CA-C-N	9.87	140.38	121.54
1	43-C	824	TRP	C-N-CA	9.87	140.38	121.54
1	1-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	2-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	3-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	4-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	5-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	6-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	7-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	8-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	9-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	10-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	11-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	12-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	13-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	14-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	15-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	16-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	17-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	18-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	19-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	20-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	21-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	22-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	23-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	24-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	25-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	26-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	27-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	28-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	29-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	30-C	423	VAL	N-CA-C	-9.56	101.55	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	31-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	32-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	33-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	34-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	35-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	36-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	37-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	38-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	39-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	40-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	41-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	42-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	43-C	423	VAL	N-CA-C	-9.56	101.55	110.53
1	1-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	2-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	3-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	4-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	5-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	6-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	7-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	8-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	9-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	10-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	11-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	12-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	13-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	14-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	15-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	16-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	17-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	18-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	19-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	20-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	21-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	22-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	23-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	24-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	25-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	26-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	27-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	28-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	29-C	79	PRO	N-CA-CB	-9.50	98.28	103.22

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	30-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	31-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	32-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	33-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	34-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	35-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	36-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	37-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	38-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	39-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	40-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	41-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	42-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	43-C	79	PRO	N-CA-CB	-9.50	98.28	103.22
1	1-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	2-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	3-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	4-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	5-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	6-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	7-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	8-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	9-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	10-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	11-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	12-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	13-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	14-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	15-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	16-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	17-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	18-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	19-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	20-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	21-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	22-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	23-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	24-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	25-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	26-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	27-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	28-C	691	LEU	O-C-N	-9.48	109.98	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	29-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	30-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	31-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	32-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	33-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	34-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	35-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	36-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	37-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	38-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	39-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	40-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	41-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	42-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	43-C	691	LEU	O-C-N	-9.48	109.98	122.59
1	1-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	1-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	2-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	2-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	3-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	3-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	4-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	4-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	5-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	5-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	6-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	6-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	7-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	7-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	8-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	8-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	9-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	9-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	10-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	10-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	11-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	11-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	12-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	12-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	13-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	13-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	14-C	775	ASP	CA-C-N	-9.01	106.87	121.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	14-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	15-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	15-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	16-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	16-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	17-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	17-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	18-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	18-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	19-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	19-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	20-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	20-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	21-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	21-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	22-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	22-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	23-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	23-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	24-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	24-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	25-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	25-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	26-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	26-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	27-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	27-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	28-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	28-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	29-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	29-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	30-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	30-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	31-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	31-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	32-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	32-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	33-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	33-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	34-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	34-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	35-C	775	ASP	CA-C-N	-9.01	106.87	121.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	35-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	36-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	36-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	37-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	37-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	38-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	38-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	39-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	39-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	40-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	40-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	41-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	41-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	42-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	42-C	775	ASP	C-N-CA	-9.01	106.87	121.19
1	43-C	775	ASP	CA-C-N	-9.01	106.87	121.19
1	43-C	775	ASP	C-N-CA	-9.01	106.87	121.19
3	1-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	2-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	3-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	4-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	5-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	6-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	7-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	8-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	9-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	10-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	11-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	12-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	13-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	14-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	15-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	16-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	17-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	18-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	19-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	20-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	21-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	22-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	23-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	24-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	25-Z	73	GLU	N-CA-C	-8.96	101.60	111.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	26-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	27-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	28-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	29-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	30-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	31-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	32-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	33-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	34-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	35-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	36-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	37-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	38-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	39-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	40-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	41-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	42-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
3	43-Z	73	GLU	N-CA-C	-8.96	101.60	111.36
1	1-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	1-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	2-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	2-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	3-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	3-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	4-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	4-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	5-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	5-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	6-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	6-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	7-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	7-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	8-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	8-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	9-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	9-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	10-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	10-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	11-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	11-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	12-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	12-C	115	TYR	C-N-CA	-8.84	111.00	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	13-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	13-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	14-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	14-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	15-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	15-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	16-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	16-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	17-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	17-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	18-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	18-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	19-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	19-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	20-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	20-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	21-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	21-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	22-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	22-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	23-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	23-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	24-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	24-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	25-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	25-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	26-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	26-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	27-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	27-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	28-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	28-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	29-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	29-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	30-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	30-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	31-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	31-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	32-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	32-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	33-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	33-C	115	TYR	C-N-CA	-8.84	111.00	123.20

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	34-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	34-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	35-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	35-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	36-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	36-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	37-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	37-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	38-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	38-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	39-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	39-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	40-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	40-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	41-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	41-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	42-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	42-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	43-C	115	TYR	CA-C-N	-8.84	111.00	123.20
1	43-C	115	TYR	C-N-CA	-8.84	111.00	123.20
1	1-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	2-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	3-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	4-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	5-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	6-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	7-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	8-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	9-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	10-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	11-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	12-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	13-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	14-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	15-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	16-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	17-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	18-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	19-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	20-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	21-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	22-C	588	PRO	N-CA-CB	-8.23	98.31	102.92

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	23-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	24-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	25-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	26-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	27-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	28-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	29-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	30-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	31-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	32-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	33-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	34-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	35-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	36-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	37-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	38-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	39-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	40-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	41-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	42-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	43-C	588	PRO	N-CA-CB	-8.23	98.31	102.92
1	1-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	2-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	3-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	4-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	5-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	6-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	7-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	8-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	9-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	10-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	11-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	12-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	13-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	14-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	15-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	16-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	17-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	18-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	19-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	20-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	21-C	799	LYS	N-CA-C	-8.11	102.38	111.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	23-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	24-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	25-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	26-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	27-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	28-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	29-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	30-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	31-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	32-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	33-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	34-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	35-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	36-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	37-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	38-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	39-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	40-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	41-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	42-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	43-C	799	LYS	N-CA-C	-8.11	102.38	111.14
1	1-C	775	ASP	O-C-N	8.10	133.37	122.59
1	2-C	775	ASP	O-C-N	8.10	133.37	122.59
1	3-C	775	ASP	O-C-N	8.10	133.37	122.59
1	4-C	775	ASP	O-C-N	8.10	133.37	122.59
1	5-C	775	ASP	O-C-N	8.10	133.37	122.59
1	6-C	775	ASP	O-C-N	8.10	133.37	122.59
1	7-C	775	ASP	O-C-N	8.10	133.37	122.59
1	8-C	775	ASP	O-C-N	8.10	133.37	122.59
1	9-C	775	ASP	O-C-N	8.10	133.37	122.59
1	10-C	775	ASP	O-C-N	8.10	133.37	122.59
1	11-C	775	ASP	O-C-N	8.10	133.37	122.59
1	12-C	775	ASP	O-C-N	8.10	133.37	122.59
1	13-C	775	ASP	O-C-N	8.10	133.37	122.59
1	14-C	775	ASP	O-C-N	8.10	133.37	122.59
1	15-C	775	ASP	O-C-N	8.10	133.37	122.59
1	16-C	775	ASP	O-C-N	8.10	133.37	122.59
1	17-C	775	ASP	O-C-N	8.10	133.37	122.59
1	18-C	775	ASP	O-C-N	8.10	133.37	122.59
1	19-C	775	ASP	O-C-N	8.10	133.37	122.59
1	20-C	775	ASP	O-C-N	8.10	133.37	122.59

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	21-C	775	ASP	O-C-N	8.10	133.37	122.59
1	22-C	775	ASP	O-C-N	8.10	133.37	122.59
1	23-C	775	ASP	O-C-N	8.10	133.37	122.59
1	24-C	775	ASP	O-C-N	8.10	133.37	122.59
1	25-C	775	ASP	O-C-N	8.10	133.37	122.59
1	26-C	775	ASP	O-C-N	8.10	133.37	122.59
1	27-C	775	ASP	O-C-N	8.10	133.37	122.59
1	28-C	775	ASP	O-C-N	8.10	133.37	122.59
1	29-C	775	ASP	O-C-N	8.10	133.37	122.59
1	30-C	775	ASP	O-C-N	8.10	133.37	122.59
1	31-C	775	ASP	O-C-N	8.10	133.37	122.59
1	32-C	775	ASP	O-C-N	8.10	133.37	122.59
1	33-C	775	ASP	O-C-N	8.10	133.37	122.59
1	34-C	775	ASP	O-C-N	8.10	133.37	122.59
1	35-C	775	ASP	O-C-N	8.10	133.37	122.59
1	36-C	775	ASP	O-C-N	8.10	133.37	122.59
1	37-C	775	ASP	O-C-N	8.10	133.37	122.59
1	38-C	775	ASP	O-C-N	8.10	133.37	122.59
1	39-C	775	ASP	O-C-N	8.10	133.37	122.59
1	40-C	775	ASP	O-C-N	8.10	133.37	122.59
1	41-C	775	ASP	O-C-N	8.10	133.37	122.59
1	42-C	775	ASP	O-C-N	8.10	133.37	122.59
1	43-C	775	ASP	O-C-N	8.10	133.37	122.59
1	1-C	268	GLU	O-C-N	7.97	133.45	122.29
1	2-C	268	GLU	O-C-N	7.97	133.45	122.29
1	3-C	268	GLU	O-C-N	7.97	133.45	122.29
1	4-C	268	GLU	O-C-N	7.97	133.45	122.29
1	5-C	268	GLU	O-C-N	7.97	133.45	122.29
1	6-C	268	GLU	O-C-N	7.97	133.45	122.29
1	7-C	268	GLU	O-C-N	7.97	133.45	122.29
1	8-C	268	GLU	O-C-N	7.97	133.45	122.29
1	9-C	268	GLU	O-C-N	7.97	133.45	122.29
1	10-C	268	GLU	O-C-N	7.97	133.45	122.29
1	11-C	268	GLU	O-C-N	7.97	133.45	122.29
1	12-C	268	GLU	O-C-N	7.97	133.45	122.29
1	13-C	268	GLU	O-C-N	7.97	133.45	122.29
1	14-C	268	GLU	O-C-N	7.97	133.45	122.29
1	15-C	268	GLU	O-C-N	7.97	133.45	122.29
1	16-C	268	GLU	O-C-N	7.97	133.45	122.29
1	17-C	268	GLU	O-C-N	7.97	133.45	122.29
1	18-C	268	GLU	O-C-N	7.97	133.45	122.29
1	19-C	268	GLU	O-C-N	7.97	133.45	122.29

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	20-C	268	GLU	O-C-N	7.97	133.45	122.29
1	21-C	268	GLU	O-C-N	7.97	133.45	122.29
1	22-C	268	GLU	O-C-N	7.97	133.45	122.29
1	23-C	268	GLU	O-C-N	7.97	133.45	122.29
1	24-C	268	GLU	O-C-N	7.97	133.45	122.29
1	25-C	268	GLU	O-C-N	7.97	133.45	122.29
1	26-C	268	GLU	O-C-N	7.97	133.45	122.29
1	27-C	268	GLU	O-C-N	7.97	133.45	122.29
1	28-C	268	GLU	O-C-N	7.97	133.45	122.29
1	29-C	268	GLU	O-C-N	7.97	133.45	122.29
1	30-C	268	GLU	O-C-N	7.97	133.45	122.29
1	31-C	268	GLU	O-C-N	7.97	133.45	122.29
1	32-C	268	GLU	O-C-N	7.97	133.45	122.29
1	33-C	268	GLU	O-C-N	7.97	133.45	122.29
1	34-C	268	GLU	O-C-N	7.97	133.45	122.29
1	35-C	268	GLU	O-C-N	7.97	133.45	122.29
1	36-C	268	GLU	O-C-N	7.97	133.45	122.29
1	37-C	268	GLU	O-C-N	7.97	133.45	122.29
1	38-C	268	GLU	O-C-N	7.97	133.45	122.29
1	39-C	268	GLU	O-C-N	7.97	133.45	122.29
1	40-C	268	GLU	O-C-N	7.97	133.45	122.29
1	41-C	268	GLU	O-C-N	7.97	133.45	122.29
1	42-C	268	GLU	O-C-N	7.97	133.45	122.29
1	43-C	268	GLU	O-C-N	7.97	133.45	122.29
1	1-C	270	SER	N-CA-C	7.85	120.74	111.71
1	2-C	270	SER	N-CA-C	7.85	120.74	111.71
1	3-C	270	SER	N-CA-C	7.85	120.74	111.71
1	4-C	270	SER	N-CA-C	7.85	120.74	111.71
1	5-C	270	SER	N-CA-C	7.85	120.74	111.71
1	6-C	270	SER	N-CA-C	7.85	120.74	111.71
1	7-C	270	SER	N-CA-C	7.85	120.74	111.71
1	8-C	270	SER	N-CA-C	7.85	120.74	111.71
1	9-C	270	SER	N-CA-C	7.85	120.74	111.71
1	10-C	270	SER	N-CA-C	7.85	120.74	111.71
1	11-C	270	SER	N-CA-C	7.85	120.74	111.71
1	12-C	270	SER	N-CA-C	7.85	120.74	111.71
1	13-C	270	SER	N-CA-C	7.85	120.74	111.71
1	14-C	270	SER	N-CA-C	7.85	120.74	111.71
1	15-C	270	SER	N-CA-C	7.85	120.74	111.71
1	16-C	270	SER	N-CA-C	7.85	120.74	111.71
1	17-C	270	SER	N-CA-C	7.85	120.74	111.71
1	18-C	270	SER	N-CA-C	7.85	120.74	111.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	19-C	270	SER	N-CA-C	7.85	120.74	111.71
1	20-C	270	SER	N-CA-C	7.85	120.74	111.71
1	21-C	270	SER	N-CA-C	7.85	120.74	111.71
1	22-C	270	SER	N-CA-C	7.85	120.74	111.71
1	23-C	270	SER	N-CA-C	7.85	120.74	111.71
1	24-C	270	SER	N-CA-C	7.85	120.74	111.71
1	25-C	270	SER	N-CA-C	7.85	120.74	111.71
1	26-C	270	SER	N-CA-C	7.85	120.74	111.71
1	27-C	270	SER	N-CA-C	7.85	120.74	111.71
1	28-C	270	SER	N-CA-C	7.85	120.74	111.71
1	29-C	270	SER	N-CA-C	7.85	120.74	111.71
1	30-C	270	SER	N-CA-C	7.85	120.74	111.71
1	31-C	270	SER	N-CA-C	7.85	120.74	111.71
1	32-C	270	SER	N-CA-C	7.85	120.74	111.71
1	33-C	270	SER	N-CA-C	7.85	120.74	111.71
1	34-C	270	SER	N-CA-C	7.85	120.74	111.71
1	35-C	270	SER	N-CA-C	7.85	120.74	111.71
1	36-C	270	SER	N-CA-C	7.85	120.74	111.71
1	37-C	270	SER	N-CA-C	7.85	120.74	111.71
1	38-C	270	SER	N-CA-C	7.85	120.74	111.71
1	39-C	270	SER	N-CA-C	7.85	120.74	111.71
1	40-C	270	SER	N-CA-C	7.85	120.74	111.71
1	41-C	270	SER	N-CA-C	7.85	120.74	111.71
1	42-C	270	SER	N-CA-C	7.85	120.74	111.71
1	43-C	270	SER	N-CA-C	7.85	120.74	111.71
1	1-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	1-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	2-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	2-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	3-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	3-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	4-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	4-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	5-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	5-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	6-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	6-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	7-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	7-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	8-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	8-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	9-C	509	PHE	CA-C-N	7.80	135.74	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	9-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	10-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	10-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	11-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	11-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	12-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	12-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	13-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	13-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	14-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	14-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	15-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	15-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	16-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	16-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	17-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	17-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	18-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	18-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	19-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	19-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	20-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	20-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	21-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	21-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	22-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	22-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	23-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	23-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	24-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	24-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	25-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	25-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	26-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	26-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	27-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	27-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	28-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	28-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	29-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	29-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	30-C	509	PHE	CA-C-N	7.80	135.74	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	30-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	31-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	31-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	32-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	32-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	33-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	33-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	34-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	34-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	35-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	35-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	36-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	36-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	37-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	37-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	38-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	38-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	39-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	39-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	40-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	40-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	41-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	41-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	42-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	42-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	43-C	509	PHE	CA-C-N	7.80	135.74	121.70
1	43-C	509	PHE	C-N-CA	7.80	135.74	121.70
1	1-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	1-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	2-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	2-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	3-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	3-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	4-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	4-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	5-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	5-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	6-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	6-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	7-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	7-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	8-C	116	SER	CA-C-N	-7.48	111.97	120.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	8-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	9-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	9-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	10-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	10-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	11-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	11-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	12-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	12-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	13-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	13-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	14-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	14-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	15-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	15-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	16-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	16-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	17-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	17-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	18-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	18-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	19-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	19-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	20-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	20-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	21-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	21-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	22-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	22-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	23-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	23-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	24-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	24-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	25-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	25-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	26-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	26-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	27-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	27-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	28-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	28-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	29-C	116	SER	CA-C-N	-7.48	111.97	120.42

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	29-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	30-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	30-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	31-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	31-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	32-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	32-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	33-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	33-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	34-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	34-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	35-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	35-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	36-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	36-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	37-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	37-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	38-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	38-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	39-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	39-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	40-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	40-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	41-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	41-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	42-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	42-C	116	SER	C-N-CA	-7.48	111.97	120.42
1	43-C	116	SER	CA-C-N	-7.48	111.97	120.42
1	43-C	116	SER	C-N-CA	-7.48	111.97	120.42
2	1-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	2-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	3-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	4-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	5-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	6-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	7-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	8-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	9-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	10-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	11-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	12-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	13-Y	114	GLU	N-CA-C	7.32	118.95	110.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	14-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	15-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	16-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	17-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	18-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	19-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	20-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	21-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	22-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	23-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	24-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	25-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	26-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	27-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	28-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	29-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	30-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	31-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	32-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	33-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	34-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	35-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	36-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	37-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	38-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	39-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	40-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	41-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	42-Y	114	GLU	N-CA-C	7.32	118.95	110.97
2	43-Y	114	GLU	N-CA-C	7.32	118.95	110.97
1	1-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	2-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	3-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	4-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	5-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	6-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	7-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	8-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	9-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	10-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	11-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	12-C	802	GLN	N-CA-C	-7.10	104.75	113.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	13-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	14-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	15-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	16-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	17-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	18-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	19-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	20-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	21-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	22-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	23-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	24-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	25-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	26-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	27-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	28-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	29-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	30-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	31-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	32-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	33-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	34-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	35-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	36-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	37-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	38-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	39-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	40-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	41-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	42-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	43-C	802	GLN	N-CA-C	-7.10	104.75	113.41
1	1-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	2-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	3-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	4-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	5-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	6-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	7-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	8-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	9-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	10-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	11-C	371	GLN	N-CA-C	-6.98	95.93	110.80

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	12-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	13-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	14-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	15-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	16-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	17-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	18-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	19-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	20-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	21-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	22-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	23-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	24-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	25-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	26-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	27-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	28-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	29-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	30-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	31-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	32-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	33-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	34-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	35-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	36-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	37-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	38-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	39-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	40-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	41-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	42-C	371	GLN	N-CA-C	-6.98	95.93	110.80
1	43-C	371	GLN	N-CA-C	-6.98	95.93	110.80
2	1-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	2-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	3-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	4-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	5-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	6-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	7-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	8-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	9-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	10-Y	124	GLU	N-CA-C	-6.88	103.78	111.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	11-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	12-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	13-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	14-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	15-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	16-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	17-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	18-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	19-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	20-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	21-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	22-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	23-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	24-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	25-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	26-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	27-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	28-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	29-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	30-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	31-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	32-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	33-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	34-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	35-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	36-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	37-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	38-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	39-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	40-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	41-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	42-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
2	43-Y	124	GLU	N-CA-C	-6.88	103.78	111.28
1	1-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	2-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	3-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	4-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	5-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	6-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	7-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	8-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	9-C	347	SER	N-CA-C	-6.80	103.95	111.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	10-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	11-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	12-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	13-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	14-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	15-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	16-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	17-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	18-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	19-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	20-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	21-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	22-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	23-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	24-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	25-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	26-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	27-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	28-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	29-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	30-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	31-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	32-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	33-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	34-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	35-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	36-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	37-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	38-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	39-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	40-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	41-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	42-C	347	SER	N-CA-C	-6.80	103.95	111.36
1	43-C	347	SER	N-CA-C	-6.80	103.95	111.36
3	1-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	2-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	3-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	4-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	5-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	6-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	7-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	8-Z	126	ILE	N-CA-C	-6.75	103.76	110.30

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	9-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	10-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	11-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	12-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	13-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	14-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	15-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	16-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	17-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	18-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	19-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	20-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	21-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	22-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	23-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	24-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	25-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	26-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	27-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	28-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	29-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	30-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	31-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	32-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	33-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	34-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	35-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	36-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	37-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	38-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	39-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	40-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	41-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	42-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
3	43-Z	126	ILE	N-CA-C	-6.75	103.76	110.30
1	1-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	2-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	3-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	4-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	5-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	6-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	7-C	346	GLN	N-CA-C	-6.70	105.40	113.97

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	8-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	9-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	10-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	11-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	12-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	13-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	14-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	15-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	16-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	17-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	18-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	19-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	20-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	21-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	22-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	23-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	24-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	25-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	26-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	27-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	28-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	29-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	30-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	31-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	32-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	33-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	34-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	35-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	36-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	37-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	38-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	39-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	40-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	41-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	42-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	43-C	346	GLN	N-CA-C	-6.70	105.40	113.97
1	1-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	1-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	2-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	2-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	3-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	3-C	268	GLU	C-N-CA	-6.52	111.45	120.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	4-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	4-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	5-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	5-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	6-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	6-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	7-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	7-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	8-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	8-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	9-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	9-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	10-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	10-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	11-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	11-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	12-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	12-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	13-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	13-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	14-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	14-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	15-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	15-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	16-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	16-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	17-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	17-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	18-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	18-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	19-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	19-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	20-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	20-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	21-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	21-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	22-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	22-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	23-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	23-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	24-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	24-C	268	GLU	C-N-CA	-6.52	111.45	120.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	25-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	25-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	26-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	26-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	27-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	27-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	28-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	28-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	29-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	29-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	30-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	30-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	31-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	31-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	32-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	32-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	33-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	33-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	34-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	34-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	35-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	35-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	36-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	36-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	37-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	37-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	38-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	38-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	39-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	39-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	40-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	40-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	41-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	41-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	42-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	42-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	43-C	268	GLU	CA-C-N	-6.52	111.45	120.38
1	43-C	268	GLU	C-N-CA	-6.52	111.45	120.38
1	1-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	2-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	3-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	4-C	524	GLU	N-CA-C	6.36	121.29	112.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	5-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	6-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	7-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	8-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	9-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	10-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	11-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	12-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	13-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	14-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	15-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	16-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	17-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	18-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	19-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	20-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	21-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	22-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	23-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	24-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	25-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	26-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	27-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	28-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	29-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	30-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	31-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	32-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	33-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	34-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	35-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	36-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	37-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	38-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	39-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	40-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	41-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	42-C	524	GLU	N-CA-C	6.36	121.29	112.45
1	43-C	524	GLU	N-CA-C	6.36	121.29	112.45
2	1-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	2-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	3-Y	16	GLN	N-CA-C	-6.36	104.22	112.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	5-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	6-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	7-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	8-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	9-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	10-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	11-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	12-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	13-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	14-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	15-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	16-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	17-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	18-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	19-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	20-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	21-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	22-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	23-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	24-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	25-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	26-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	27-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	28-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	29-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	30-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	31-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	32-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	33-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	34-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	35-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	36-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	37-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	38-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	39-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	40-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	41-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	42-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
2	43-Y	16	GLN	N-CA-C	-6.36	104.22	112.23
3	1-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	2-Z	11	LEU	N-CA-C	-6.28	104.35	111.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	3-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	4-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	5-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	6-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	7-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	8-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	9-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	10-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	11-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	12-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	13-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	14-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	15-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	16-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	17-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	18-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	19-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	20-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	21-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	22-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	23-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	24-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	25-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	26-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	27-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	28-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	29-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	30-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	31-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	32-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	33-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	34-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	35-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	36-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	37-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	38-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	39-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	40-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	41-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	42-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
3	43-Z	11	LEU	N-CA-C	-6.28	104.35	111.07
1	1-C	118	LEU	N-CA-C	6.16	120.41	113.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	3-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	4-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	5-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	6-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	7-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	8-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	9-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	10-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	11-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	12-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	13-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	14-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	15-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	16-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	17-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	18-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	19-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	20-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	21-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	22-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	23-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	24-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	25-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	26-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	27-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	28-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	29-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	30-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	31-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	32-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	33-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	34-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	35-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	36-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	37-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	38-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	39-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	40-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	41-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	42-C	118	LEU	N-CA-C	6.16	120.41	113.01
1	43-C	118	LEU	N-CA-C	6.16	120.41	113.01

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	1-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	1-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	2-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	2-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	3-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	3-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	4-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	4-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	5-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	5-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	6-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	6-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	7-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	7-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	8-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	8-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	9-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	9-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	10-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	10-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	11-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	11-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	12-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	12-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	13-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	13-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	14-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	14-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	15-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	15-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	16-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	16-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	17-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	17-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	18-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	18-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	19-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	19-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	20-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	20-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	21-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	21-C	252	GLY	C-N-CA	6.07	127.43	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	22-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	22-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	23-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	23-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	24-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	24-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	25-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	25-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	26-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	26-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	27-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	27-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	28-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	28-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	29-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	29-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	30-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	30-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	31-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	31-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	32-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	32-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	33-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	33-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	34-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	34-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	35-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	35-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	36-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	36-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	37-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	37-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	38-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	38-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	39-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	39-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	40-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	40-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	41-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	41-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	42-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	42-C	252	GLY	C-N-CA	6.07	127.43	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	43-C	252	GLY	CA-C-N	6.07	127.43	119.84
1	43-C	252	GLY	C-N-CA	6.07	127.43	119.84
1	1-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	2-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	3-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	4-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	5-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	6-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	7-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	8-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	9-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	10-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	11-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	12-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	13-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	14-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	15-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	16-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	17-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	18-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	19-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	20-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	21-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	22-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	23-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	24-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	25-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	26-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	27-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	28-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	29-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	30-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	31-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	32-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	33-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	34-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	35-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	36-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	37-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	38-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	39-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	40-C	37	PRO	N-CA-CB	-6.04	98.24	103.32

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	41-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	42-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
1	43-C	37	PRO	N-CA-CB	-6.04	98.24	103.32
3	1-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	2-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	3-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	4-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	5-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	6-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	7-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	8-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	9-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	10-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	11-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	12-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	13-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	14-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	15-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	16-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	17-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	18-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	19-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	20-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	21-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	22-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	23-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	24-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	25-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	26-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	27-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	28-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	29-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	30-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	31-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	32-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	33-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	34-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	35-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	36-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	37-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	38-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	39-Z	65	PHE	N-CA-C	-6.03	105.75	113.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	40-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	41-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	42-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
3	43-Z	65	PHE	N-CA-C	-6.03	105.75	113.23
1	1-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	1-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	2-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	2-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	3-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	3-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	4-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	4-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	5-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	5-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	6-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	6-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	7-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	7-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	8-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	8-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	9-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	9-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	10-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	10-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	11-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	11-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	12-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	12-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	13-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	13-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	14-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	14-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	15-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	15-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	16-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	16-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	17-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	17-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	18-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	18-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	19-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	19-C	502	LYS	C-N-CA	-6.01	110.88	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	20-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	20-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	21-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	21-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	22-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	22-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	23-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	23-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	24-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	24-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	25-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	25-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	26-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	26-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	27-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	27-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	28-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	28-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	29-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	29-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	30-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	30-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	31-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	31-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	32-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	32-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	33-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	33-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	34-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	34-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	35-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	35-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	36-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	36-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	37-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	37-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	38-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	38-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	39-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	39-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	40-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	40-C	502	LYS	C-N-CA	-6.01	110.88	121.70

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	41-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	41-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	42-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	42-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	43-C	502	LYS	CA-C-N	-6.01	110.88	121.70
1	43-C	502	LYS	C-N-CA	-6.01	110.88	121.70
1	1-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	2-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	3-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	4-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	5-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	6-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	7-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	8-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	9-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	10-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	11-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	12-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	13-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	14-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	15-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	16-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	17-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	18-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	19-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	20-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	21-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	22-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	23-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	24-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	25-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	26-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	27-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	28-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	29-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	30-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	31-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	32-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	33-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	34-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	35-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	36-C	422	SER	N-CA-C	-6.00	105.79	113.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	37-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	38-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	39-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	40-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	41-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	42-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	43-C	422	SER	N-CA-C	-6.00	105.79	113.23
1	1-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	2-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	3-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	4-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	5-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	6-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	7-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	8-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	9-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	10-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	11-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	12-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	13-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	14-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	15-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	16-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	17-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	18-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	19-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	20-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	21-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	22-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	23-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	24-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	25-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	26-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	27-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	28-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	29-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	30-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	31-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	32-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	33-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	34-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	35-C	786	GLN	N-CA-C	-5.99	105.06	112.90

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	36-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	37-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	38-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	39-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	40-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	41-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	42-C	786	GLN	N-CA-C	-5.99	105.06	112.90
1	43-C	786	GLN	N-CA-C	-5.99	105.06	112.90
2	1-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	2-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	3-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	4-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	5-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	6-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	7-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	8-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	9-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	10-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	11-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	12-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	13-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	14-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	15-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	16-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	17-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	18-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	19-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	20-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	21-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	22-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	23-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	24-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	25-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	26-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	27-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	28-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	29-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	30-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	31-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	32-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	33-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	34-Y	43	ILE	N-CA-C	5.95	116.69	110.62

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	35-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	36-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	37-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	38-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	39-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	40-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	41-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	42-Y	43	ILE	N-CA-C	5.95	116.69	110.62
2	43-Y	43	ILE	N-CA-C	5.95	116.69	110.62
3	1-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	2-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	3-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	4-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	5-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	6-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	7-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	8-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	9-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	10-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	11-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	12-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	13-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	14-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	15-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	16-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	17-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	18-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	19-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	20-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	21-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	22-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	23-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	24-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	25-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	26-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	27-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	28-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	29-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	30-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	31-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	32-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	33-Z	79	GLU	N-CA-C	5.92	118.95	110.24

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	34-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	35-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	36-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	37-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	38-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	39-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	40-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	41-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	42-Z	79	GLU	N-CA-C	5.92	118.95	110.24
3	43-Z	79	GLU	N-CA-C	5.92	118.95	110.24
2	1-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	2-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	3-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	4-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	5-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	6-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	7-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	8-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	9-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	10-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	11-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	12-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	13-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	14-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	15-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	16-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	17-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	18-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	19-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	20-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	21-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	22-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	23-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	24-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	25-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	26-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	27-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	28-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	29-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	30-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	31-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	32-Y	86	GLU	N-CA-C	-5.92	105.55	112.89

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	33-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	34-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	35-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	36-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	37-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	38-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	39-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	40-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	41-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	42-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
2	43-Y	86	GLU	N-CA-C	-5.92	105.55	112.89
1	1-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	2-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	3-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	4-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	5-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	6-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	7-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	8-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	9-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	10-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	11-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	12-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	13-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	14-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	15-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	16-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	17-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	18-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	19-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	20-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	21-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	22-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	23-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	24-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	25-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	26-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	27-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	28-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	29-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	30-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	31-C	740	GLU	N-CA-C	-5.89	104.86	111.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	33-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	34-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	35-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	36-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	37-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	38-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	39-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	40-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	41-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	42-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	43-C	740	GLU	N-CA-C	-5.89	104.86	111.28
1	1-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	2-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	3-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	4-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	5-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	6-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	7-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	8-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	9-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	10-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	11-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	12-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	13-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	14-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	15-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	16-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	17-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	18-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	19-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	20-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	21-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	22-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	23-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	24-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	25-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	26-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	27-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	28-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	29-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	30-C	281	ASN	N-CA-C	-5.83	101.33	110.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	31-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	32-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	33-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	34-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	35-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	36-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	37-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	38-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	39-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	40-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	41-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	42-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	43-C	281	ASN	N-CA-C	-5.83	101.33	110.36
1	1-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	2-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	3-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	4-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	5-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	6-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	7-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	8-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	9-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	10-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	11-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	12-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	13-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	14-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	15-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	16-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	17-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	18-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	19-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	20-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	21-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	22-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	23-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	24-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	25-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	26-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	27-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	28-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	29-C	554	ASN	N-CA-C	5.82	120.50	113.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	30-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	31-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	32-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	33-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	34-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	35-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	36-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	37-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	38-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	39-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	40-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	41-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	42-C	554	ASN	N-CA-C	5.82	120.50	113.41
1	43-C	554	ASN	N-CA-C	5.82	120.50	113.41
2	1-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	2-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	3-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	4-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	5-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	6-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	7-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	8-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	9-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	10-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	11-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	12-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	13-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	14-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	15-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	16-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	17-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	18-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	19-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	20-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	21-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	22-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	23-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	24-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	25-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	26-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	27-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	28-Y	68	ASN	N-CA-C	-5.81	103.03	110.53

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	29-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	30-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	31-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	32-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	33-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	34-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	35-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	36-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	37-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	38-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	39-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	40-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	41-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	42-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
2	43-Y	68	ASN	N-CA-C	-5.81	103.03	110.53
1	1-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	2-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	3-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	4-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	5-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	6-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	7-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	8-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	9-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	10-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	11-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	12-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	13-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	14-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	15-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	16-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	17-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	18-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	19-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	20-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	21-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	22-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	23-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	24-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	25-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	26-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	27-C	245	LYS	N-CA-C	5.75	117.78	108.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	28-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	29-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	30-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	31-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	32-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	33-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	34-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	35-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	36-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	37-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	38-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	39-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	40-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	41-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	42-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	43-C	245	LYS	N-CA-C	5.75	117.78	108.34
1	1-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	2-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	3-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	4-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	5-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	6-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	7-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	8-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	9-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	10-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	11-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	12-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	13-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	14-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	15-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	16-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	17-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	18-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	19-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	20-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	21-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	22-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	23-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	24-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	25-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	26-C	587	VAL	N-CA-C	5.74	116.78	107.71

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	27-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	28-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	29-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	30-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	31-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	32-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	33-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	34-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	35-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	36-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	37-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	38-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	39-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	40-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	41-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	42-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	43-C	587	VAL	N-CA-C	5.74	116.78	107.71
1	1-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	2-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	3-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	4-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	5-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	6-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	7-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	8-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	9-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	10-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	11-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	12-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	13-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	14-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	15-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	16-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	17-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	18-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	19-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	20-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	21-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	22-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	23-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	24-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	25-C	303	THR	N-CA-C	-5.71	100.36	109.04

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	26-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	27-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	28-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	29-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	30-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	31-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	32-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	33-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	34-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	35-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	36-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	37-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	38-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	39-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	40-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	41-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	42-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	43-C	303	THR	N-CA-C	-5.71	100.36	109.04
1	1-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	2-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	3-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	4-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	5-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	6-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	7-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	8-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	9-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	10-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	11-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	12-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	13-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	14-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	15-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	16-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	17-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	18-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	19-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	20-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	21-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	22-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	23-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	24-C	787	ALA	N-CA-C	-5.67	105.02	111.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	25-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	26-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	27-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	28-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	29-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	30-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	31-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	32-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	33-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	34-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	35-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	36-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	37-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	38-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	39-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	40-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	41-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	42-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	43-C	787	ALA	N-CA-C	-5.67	105.02	111.14
1	1-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	1-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	2-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	2-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	3-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	3-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	4-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	4-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	5-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	5-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	6-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	6-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	7-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	7-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	8-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	8-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	9-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	9-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	10-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	10-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	11-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	11-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	12-C	233	LYS	CA-C-N	5.63	131.37	122.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	12-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	13-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	13-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	14-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	14-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	15-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	15-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	16-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	16-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	17-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	17-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	18-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	18-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	19-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	19-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	20-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	20-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	21-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	21-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	22-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	22-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	23-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	23-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	24-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	24-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	25-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	25-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	26-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	26-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	27-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	27-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	28-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	28-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	29-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	29-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	30-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	30-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	31-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	31-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	32-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	32-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	33-C	233	LYS	CA-C-N	5.63	131.37	122.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	33-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	34-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	34-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	35-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	35-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	36-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	36-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	37-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	37-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	38-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	38-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	39-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	39-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	40-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	40-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	41-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	41-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	42-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	42-C	233	LYS	C-N-CA	5.63	131.37	122.36
1	43-C	233	LYS	CA-C-N	5.63	131.37	122.36
1	43-C	233	LYS	C-N-CA	5.63	131.37	122.36
3	1-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	2-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	3-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	4-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	5-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	6-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	7-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	8-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	9-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	10-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	11-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	12-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	13-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	14-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	15-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	16-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	17-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	18-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	19-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	20-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	21-Z	112	ALA	N-CA-C	5.59	120.23	112.45

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	22-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	23-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	24-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	25-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	26-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	27-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	28-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	29-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	30-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	31-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	32-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	33-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	34-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	35-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	36-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	37-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	38-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	39-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	40-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	41-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	42-Z	112	ALA	N-CA-C	5.59	120.23	112.45
3	43-Z	112	ALA	N-CA-C	5.59	120.23	112.45
1	1-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	1-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	2-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	2-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	3-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	3-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	4-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	4-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	5-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	5-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	6-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	6-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	7-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	7-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	8-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	8-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	9-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	9-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	10-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	10-C	647	ALA	C-N-CA	-5.56	113.44	120.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	11-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	11-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	12-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	12-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	13-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	13-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	14-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	14-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	15-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	15-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	16-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	16-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	17-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	17-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	18-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	18-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	19-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	19-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	20-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	20-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	21-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	21-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	22-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	22-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	23-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	23-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	24-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	24-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	25-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	25-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	26-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	26-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	27-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	27-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	28-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	28-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	29-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	29-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	30-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	30-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	31-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	31-C	647	ALA	C-N-CA	-5.56	113.44	120.56

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	32-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	32-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	33-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	33-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	34-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	34-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	35-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	35-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	36-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	36-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	37-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	37-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	38-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	38-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	39-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	39-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	40-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	40-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	41-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	41-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	42-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	42-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	43-C	647	ALA	CA-C-N	-5.56	113.44	120.56
1	43-C	647	ALA	C-N-CA	-5.56	113.44	120.56
1	1-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	2-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	3-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	4-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	5-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	6-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	7-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	8-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	9-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	10-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	11-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	12-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	13-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	14-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	15-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	16-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	17-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	18-C	725	PRO	N-CA-CB	-5.53	98.21	103.41

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	19-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	20-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	21-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	22-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	23-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	24-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	25-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	26-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	27-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	28-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	29-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	30-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	31-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	32-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	33-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	34-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	35-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	36-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	37-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	38-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	39-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	40-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	41-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	42-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	43-C	725	PRO	N-CA-CB	-5.53	98.21	103.41
1	1-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	2-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	3-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	4-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	5-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	6-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	7-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	8-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	9-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	10-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	11-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	12-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	13-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	14-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	15-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	16-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	17-C	150	PRO	N-CA-CB	-5.49	98.23	103.34

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	18-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	19-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	20-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	21-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	22-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	23-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	24-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	25-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	26-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	27-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	28-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	29-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	30-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	31-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	32-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	33-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	34-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	35-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	36-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	37-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	38-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	39-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	40-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	41-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	42-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	43-C	150	PRO	N-CA-CB	-5.49	98.23	103.34
1	1-C	663	THR	O-C-N	5.49	129.81	123.17
3	1-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	2-C	663	THR	O-C-N	5.49	129.81	123.17
3	2-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	3-C	663	THR	O-C-N	5.49	129.81	123.17
3	3-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	4-C	663	THR	O-C-N	5.49	129.81	123.17
3	4-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	5-C	663	THR	O-C-N	5.49	129.81	123.17
3	5-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	6-C	663	THR	O-C-N	5.49	129.81	123.17
3	6-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	7-C	663	THR	O-C-N	5.49	129.81	123.17
3	7-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	8-C	663	THR	O-C-N	5.49	129.81	123.17
3	8-Z	49	VAL	N-CA-C	5.49	116.12	110.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	9-C	663	THR	O-C-N	5.49	129.81	123.17
3	9-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	10-C	663	THR	O-C-N	5.49	129.81	123.17
3	10-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	11-C	663	THR	O-C-N	5.49	129.81	123.17
3	11-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	12-C	663	THR	O-C-N	5.49	129.81	123.17
3	12-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	13-C	663	THR	O-C-N	5.49	129.81	123.17
3	13-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	14-C	663	THR	O-C-N	5.49	129.81	123.17
3	14-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	15-C	663	THR	O-C-N	5.49	129.81	123.17
3	15-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	16-C	663	THR	O-C-N	5.49	129.81	123.17
3	16-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	17-C	663	THR	O-C-N	5.49	129.81	123.17
3	17-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	18-C	663	THR	O-C-N	5.49	129.81	123.17
3	18-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	19-C	663	THR	O-C-N	5.49	129.81	123.17
3	19-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	20-C	663	THR	O-C-N	5.49	129.81	123.17
3	20-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	21-C	663	THR	O-C-N	5.49	129.81	123.17
3	21-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	22-C	663	THR	O-C-N	5.49	129.81	123.17
3	22-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	23-C	663	THR	O-C-N	5.49	129.81	123.17
3	23-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	24-C	663	THR	O-C-N	5.49	129.81	123.17
3	24-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	25-C	663	THR	O-C-N	5.49	129.81	123.17
3	25-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	26-C	663	THR	O-C-N	5.49	129.81	123.17
3	26-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	27-C	663	THR	O-C-N	5.49	129.81	123.17
3	27-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	28-C	663	THR	O-C-N	5.49	129.81	123.17
3	28-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	29-C	663	THR	O-C-N	5.49	129.81	123.17
3	29-Z	49	VAL	N-CA-C	5.49	116.12	110.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	30-C	663	THR	O-C-N	5.49	129.81	123.17
3	30-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	31-C	663	THR	O-C-N	5.49	129.81	123.17
3	31-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	32-C	663	THR	O-C-N	5.49	129.81	123.17
3	32-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	33-C	663	THR	O-C-N	5.49	129.81	123.17
3	33-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	34-C	663	THR	O-C-N	5.49	129.81	123.17
3	34-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	35-C	663	THR	O-C-N	5.49	129.81	123.17
3	35-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	36-C	663	THR	O-C-N	5.49	129.81	123.17
3	36-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	37-C	663	THR	O-C-N	5.49	129.81	123.17
3	37-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	38-C	663	THR	O-C-N	5.49	129.81	123.17
3	38-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	39-C	663	THR	O-C-N	5.49	129.81	123.17
3	39-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	40-C	663	THR	O-C-N	5.49	129.81	123.17
3	40-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	41-C	663	THR	O-C-N	5.49	129.81	123.17
3	41-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	42-C	663	THR	O-C-N	5.49	129.81	123.17
3	42-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	43-C	663	THR	O-C-N	5.49	129.81	123.17
3	43-Z	49	VAL	N-CA-C	5.49	116.12	110.36
1	1-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	2-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	3-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	4-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	5-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	6-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	7-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	8-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	9-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	10-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	11-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	12-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	13-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	14-C	444	LYS	N-CA-C	-5.45	105.24	111.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	15-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	16-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	17-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	18-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	19-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	20-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	21-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	22-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	23-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	24-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	25-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	26-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	27-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	28-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	29-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	30-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	31-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	32-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	33-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	34-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	35-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	36-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	37-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	38-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	39-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	40-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	41-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	42-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	43-C	444	LYS	N-CA-C	-5.45	105.24	111.07
1	1-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	2-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	3-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	4-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	5-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	6-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	7-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	8-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	9-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	10-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	11-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	12-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	13-C	565	PRO	N-CA-CB	-5.43	98.30	103.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	14-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	15-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	16-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	17-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	18-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	19-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	20-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	21-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	22-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	23-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	24-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	25-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	26-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	27-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	28-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	29-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	30-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	31-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	32-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	33-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	34-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	35-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	36-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	37-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	38-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	39-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	40-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	41-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	42-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	43-C	565	PRO	N-CA-CB	-5.43	98.30	103.19
1	1-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	1-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	2-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	2-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	3-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	3-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	4-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	4-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	5-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	5-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	6-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	6-Z	21	TRP	N-CA-C	5.42	119.00	112.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	7-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	8-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	8-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	9-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	9-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	10-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	10-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	11-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	11-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	12-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	12-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	13-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	13-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	14-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	14-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	15-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	15-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	16-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	16-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	17-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	17-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	18-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	18-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	19-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	19-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	20-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	20-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	21-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	21-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	22-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	22-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	23-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	23-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	24-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	24-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	25-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	25-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	26-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	26-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	27-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	27-Z	21	TRP	N-CA-C	5.42	119.00	112.38

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	28-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	28-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	29-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	29-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	30-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	30-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	31-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	31-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	32-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	32-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	33-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	33-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	34-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	34-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	35-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	35-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	36-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	36-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	37-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	37-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	38-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	38-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	39-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	39-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	40-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	40-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	41-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	41-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	42-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	42-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	43-C	759	LYS	N-CA-C	5.42	117.31	109.07
3	43-Z	21	TRP	N-CA-C	5.42	119.00	112.38
1	1-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	2-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	3-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	4-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	5-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	6-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	7-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	8-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	9-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	10-C	287	GLN	N-CA-C	-5.42	105.29	111.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	11-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	12-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	13-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	14-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	15-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	16-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	17-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	18-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	19-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	20-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	21-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	22-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	23-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	24-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	25-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	26-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	27-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	28-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	29-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	30-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	31-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	32-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	33-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	34-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	35-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	36-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	37-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	38-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	39-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	40-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	41-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	42-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	43-C	287	GLN	N-CA-C	-5.42	105.29	111.14
1	1-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	2-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	3-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	4-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	5-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	6-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	7-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	8-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	9-C	571	PRO	N-CA-CB	-5.38	98.33	103.39

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	10-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	11-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	12-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	13-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	14-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	15-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	16-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	17-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	18-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	19-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	20-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	21-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	22-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	23-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	24-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	25-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	26-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	27-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	28-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	29-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	30-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	31-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	32-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	33-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	34-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	35-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	36-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	37-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	38-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	39-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	40-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	41-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	42-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
1	43-C	571	PRO	N-CA-CB	-5.38	98.33	103.39
3	1-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	2-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	3-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	4-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	5-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	6-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	7-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	8-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	9-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	10-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	11-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	12-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	13-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	14-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	15-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	16-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	17-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	18-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	19-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	20-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	21-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	22-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	23-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	24-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	25-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	26-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	27-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	28-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	29-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	30-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	31-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	32-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	33-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	34-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	35-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	36-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	37-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	38-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	39-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	40-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	41-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	42-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
3	43-Z	70	PRO	N-CA-CB	-5.37	98.36	103.51
2	1-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	2-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	3-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	4-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	5-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	6-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	7-Y	134	VAL	N-CA-C	5.37	115.51	107.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	8-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	9-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	10-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	11-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	12-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	13-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	14-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	15-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	16-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	17-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	18-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	19-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	20-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	21-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	22-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	23-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	24-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	25-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	26-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	27-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	28-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	29-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	30-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	31-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	32-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	33-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	34-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	35-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	36-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	37-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	38-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	39-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	40-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	41-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	42-Y	134	VAL	N-CA-C	5.37	115.51	107.51
2	43-Y	134	VAL	N-CA-C	5.37	115.51	107.51
1	1-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	2-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	3-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	4-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	5-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	6-C	806	ILE	N-CA-C	-5.34	105.88	110.74

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	7-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	8-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	9-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	10-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	11-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	12-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	13-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	14-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	15-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	16-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	17-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	18-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	19-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	20-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	21-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	22-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	23-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	24-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	25-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	26-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	27-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	28-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	29-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	30-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	31-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	32-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	33-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	34-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	35-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	36-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	37-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	38-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	39-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	40-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	41-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	42-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	43-C	806	ILE	N-CA-C	-5.34	105.88	110.74
1	1-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	2-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	3-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	4-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	5-C	540	PRO	N-CA-CB	-5.31	98.41	103.51

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	6-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	7-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	8-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	9-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	10-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	11-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	12-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	13-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	14-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	15-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	16-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	17-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	18-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	19-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	20-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	21-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	22-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	23-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	24-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	25-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	26-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	27-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	28-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	29-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	30-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	31-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	32-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	33-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	34-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	35-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	36-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	37-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	38-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	39-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	40-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	41-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	42-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
1	43-C	540	PRO	N-CA-CB	-5.31	98.41	103.51
3	1-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	2-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	3-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	4-Z	71	ALA	N-CA-C	-5.31	105.58	111.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	5-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	6-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	7-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	8-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	9-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	10-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	11-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	12-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	13-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	14-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	15-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	16-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	17-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	18-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	19-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	20-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	21-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	22-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	23-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	24-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	25-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	26-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	27-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	28-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	29-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	30-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	31-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	32-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	33-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	34-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	35-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	36-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	37-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	38-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	39-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	40-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	41-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	42-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
3	43-Z	71	ALA	N-CA-C	-5.31	105.58	111.36
2	1-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	2-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	3-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	4-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	5-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	6-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	7-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	8-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	9-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	10-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	11-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	12-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	13-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	14-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	15-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	16-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	17-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	18-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	19-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	20-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	21-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	22-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	23-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	24-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	25-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	26-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	27-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	28-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	29-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	30-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	31-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	32-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	33-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	34-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	35-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	36-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	37-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	38-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	39-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	40-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	41-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	42-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	43-Y	133	PRO	N-CA-CB	-5.27	98.25	102.36
2	1-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	2-Y	146	ALA	N-CA-C	-5.27	105.18	111.03

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	3-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	4-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	5-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	6-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	7-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	8-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	9-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	10-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	11-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	12-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	13-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	14-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	15-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	16-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	17-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	18-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	19-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	20-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	21-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	22-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	23-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	24-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	25-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	26-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	27-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	28-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	29-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	30-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	31-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	32-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	33-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	34-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	35-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	36-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	37-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	38-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	39-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	40-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	41-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	42-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
2	43-Y	146	ALA	N-CA-C	-5.27	105.18	111.03
1	1-C	443	ASN	N-CA-C	-5.27	106.70	113.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	2-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	3-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	4-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	5-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	6-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	7-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	8-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	9-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	10-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	11-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	12-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	13-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	14-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	15-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	16-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	17-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	18-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	19-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	20-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	21-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	22-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	23-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	24-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	25-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	26-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	27-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	28-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	29-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	30-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	31-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	32-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	33-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	34-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	35-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	36-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	37-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	38-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	39-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	40-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	41-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	42-C	443	ASN	N-CA-C	-5.27	106.70	113.23
1	43-C	443	ASN	N-CA-C	-5.27	106.70	113.23

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	1-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	2-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	3-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	4-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	5-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	6-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	7-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	8-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	9-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	10-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	11-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	12-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	13-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	14-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	15-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	16-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	17-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	18-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	19-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	20-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	21-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	22-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	23-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	24-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	25-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	26-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	27-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	28-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	29-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	30-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	31-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	32-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	33-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	34-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	35-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	36-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	37-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	38-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	39-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	40-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	41-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
3	42-Z	22	ASP	N-CA-C	-5.22	103.77	111.81

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
3	43-Z	22	ASP	N-CA-C	-5.22	103.77	111.81
2	1-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	2-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	3-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	4-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	5-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	6-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	7-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	8-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	9-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	10-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	11-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	12-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	13-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	14-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	15-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	16-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	17-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	18-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	19-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	20-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	21-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	22-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	23-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	24-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	25-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	26-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	27-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	28-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	29-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	30-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	31-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	32-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	33-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	34-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	35-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	36-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	37-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	38-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	39-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	40-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	41-Y	84	ASP	N-CA-C	5.21	117.39	109.63

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	42-Y	84	ASP	N-CA-C	5.21	117.39	109.63
2	43-Y	84	ASP	N-CA-C	5.21	117.39	109.63
1	1-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	2-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	3-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	4-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	5-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	6-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	7-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	8-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	9-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	10-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	11-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	12-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	13-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	14-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	15-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	16-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	17-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	18-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	19-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	20-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	21-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	22-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	23-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	24-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	25-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	26-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	27-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	28-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	29-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	30-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	31-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	32-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	33-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	34-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	35-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	36-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	37-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	38-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	39-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	40-C	665	PRO	N-CA-CB	-5.17	98.28	103.19

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	41-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	42-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	43-C	665	PRO	N-CA-CB	-5.17	98.28	103.19
1	1-C	563	THR	N-CA-C	5.15	117.46	108.76
1	2-C	563	THR	N-CA-C	5.15	117.46	108.76
1	3-C	563	THR	N-CA-C	5.15	117.46	108.76
1	4-C	563	THR	N-CA-C	5.15	117.46	108.76
1	5-C	563	THR	N-CA-C	5.15	117.46	108.76
1	6-C	563	THR	N-CA-C	5.15	117.46	108.76
1	7-C	563	THR	N-CA-C	5.15	117.46	108.76
1	8-C	563	THR	N-CA-C	5.15	117.46	108.76
1	9-C	563	THR	N-CA-C	5.15	117.46	108.76
1	10-C	563	THR	N-CA-C	5.15	117.46	108.76
1	11-C	563	THR	N-CA-C	5.15	117.46	108.76
1	12-C	563	THR	N-CA-C	5.15	117.46	108.76
1	13-C	563	THR	N-CA-C	5.15	117.46	108.76
1	14-C	563	THR	N-CA-C	5.15	117.46	108.76
1	15-C	563	THR	N-CA-C	5.15	117.46	108.76
1	16-C	563	THR	N-CA-C	5.15	117.46	108.76
1	17-C	563	THR	N-CA-C	5.15	117.46	108.76
1	18-C	563	THR	N-CA-C	5.15	117.46	108.76
1	19-C	563	THR	N-CA-C	5.15	117.46	108.76
1	20-C	563	THR	N-CA-C	5.15	117.46	108.76
1	21-C	563	THR	N-CA-C	5.15	117.46	108.76
1	22-C	563	THR	N-CA-C	5.15	117.46	108.76
1	23-C	563	THR	N-CA-C	5.15	117.46	108.76
1	24-C	563	THR	N-CA-C	5.15	117.46	108.76
1	25-C	563	THR	N-CA-C	5.15	117.46	108.76
1	26-C	563	THR	N-CA-C	5.15	117.46	108.76
1	27-C	563	THR	N-CA-C	5.15	117.46	108.76
1	28-C	563	THR	N-CA-C	5.15	117.46	108.76
1	29-C	563	THR	N-CA-C	5.15	117.46	108.76
1	30-C	563	THR	N-CA-C	5.15	117.46	108.76
1	31-C	563	THR	N-CA-C	5.15	117.46	108.76
1	32-C	563	THR	N-CA-C	5.15	117.46	108.76
1	33-C	563	THR	N-CA-C	5.15	117.46	108.76
1	34-C	563	THR	N-CA-C	5.15	117.46	108.76
1	35-C	563	THR	N-CA-C	5.15	117.46	108.76
1	36-C	563	THR	N-CA-C	5.15	117.46	108.76
1	37-C	563	THR	N-CA-C	5.15	117.46	108.76
1	38-C	563	THR	N-CA-C	5.15	117.46	108.76
1	39-C	563	THR	N-CA-C	5.15	117.46	108.76

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	40-C	563	THR	N-CA-C	5.15	117.46	108.76
1	41-C	563	THR	N-CA-C	5.15	117.46	108.76
1	42-C	563	THR	N-CA-C	5.15	117.46	108.76
1	43-C	563	THR	N-CA-C	5.15	117.46	108.76
1	1-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	2-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	3-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	4-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	5-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	6-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	7-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	8-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	9-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	10-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	11-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	12-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	13-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	14-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	15-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	16-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	17-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	18-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	19-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	20-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	21-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	22-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	23-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	24-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	25-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	26-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	27-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	28-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	29-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	30-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	31-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	32-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	33-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	34-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	35-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	36-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	37-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	38-C	332	ASP	N-CA-C	-5.14	105.58	111.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	39-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	40-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	41-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	42-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	43-C	332	ASP	N-CA-C	-5.14	105.58	111.14
1	1-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	1-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	2-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	2-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	3-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	3-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	4-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	4-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	5-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	5-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	6-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	6-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	7-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	7-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	8-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	8-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	9-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	9-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	10-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	10-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	11-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	11-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	12-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	12-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	13-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	13-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	14-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	14-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	15-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	15-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	16-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	16-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	17-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	17-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	18-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	18-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	19-C	525	LYS	CA-C-N	5.13	126.25	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	19-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	20-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	20-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	21-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	21-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	22-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	22-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	23-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	23-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	24-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	24-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	25-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	25-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	26-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	26-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	27-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	27-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	28-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	28-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	29-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	29-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	30-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	30-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	31-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	31-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	32-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	32-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	33-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	33-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	34-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	34-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	35-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	35-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	36-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	36-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	37-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	37-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	38-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	38-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	39-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	39-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	40-C	525	LYS	CA-C-N	5.13	126.25	119.84

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	40-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	41-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	41-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	42-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	42-C	525	LYS	C-N-CA	5.13	126.25	119.84
1	43-C	525	LYS	CA-C-N	5.13	126.25	119.84
1	43-C	525	LYS	C-N-CA	5.13	126.25	119.84
2	1-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	2-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	3-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	4-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	5-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	6-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	7-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	8-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	9-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	10-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	11-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	12-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	13-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	14-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	15-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	16-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	17-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	18-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	19-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	20-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	21-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	22-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	23-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	24-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	25-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	26-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	27-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	28-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	29-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	30-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	31-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	32-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	33-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	34-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	35-Y	149	LYS	O-C-N	5.12	125.90	121.65

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
2	36-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	37-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	38-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	39-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	40-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	41-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	42-Y	149	LYS	O-C-N	5.12	125.90	121.65
2	43-Y	149	LYS	O-C-N	5.12	125.90	121.65
1	1-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	2-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	3-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	4-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	5-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	6-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	7-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	8-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	9-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	10-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	11-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	12-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	13-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	14-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	15-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	16-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	17-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	18-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	19-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	20-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	21-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	22-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	23-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	24-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	25-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	26-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	27-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	28-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	29-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	30-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	31-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	32-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	33-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	34-C	753	TYR	N-CA-C	5.09	115.87	108.14

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	35-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	36-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	37-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	38-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	39-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	40-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	41-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	42-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	43-C	753	TYR	N-CA-C	5.09	115.87	108.14
1	1-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	2-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	3-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	4-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	5-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	6-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	7-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	8-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	9-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	10-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	11-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	12-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	13-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	14-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	15-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	16-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	17-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	18-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	19-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	20-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	21-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	22-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	23-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	24-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	25-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	26-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	27-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	28-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	29-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	30-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	31-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	32-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	33-C	135	SER	N-CA-C	-5.06	105.66	111.07

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	34-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	35-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	36-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	37-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	38-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	39-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	40-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	41-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	42-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	43-C	135	SER	N-CA-C	-5.06	105.66	111.07
1	1-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	1-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	2-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	2-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	3-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	3-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	4-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	4-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	5-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	5-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	6-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	6-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	7-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	7-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	8-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	8-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	9-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	9-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	10-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	10-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	11-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	11-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	12-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	12-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	13-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	13-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	14-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	14-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	15-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	15-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	16-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	16-C	672	ILE	C-N-CA	5.03	124.82	119.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	17-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	17-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	18-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	18-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	19-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	19-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	20-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	20-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	21-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	21-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	22-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	22-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	23-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	23-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	24-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	24-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	25-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	25-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	26-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	26-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	27-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	27-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	28-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	28-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	29-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	29-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	30-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	30-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	31-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	31-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	32-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	32-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	33-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	33-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	34-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	34-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	35-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	35-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	36-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	36-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	37-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	37-C	672	ILE	C-N-CA	5.03	124.82	119.28

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	38-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	38-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	39-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	39-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	40-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	40-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	41-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	41-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	42-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	42-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	43-C	672	ILE	CA-C-N	5.03	124.82	119.28
1	43-C	672	ILE	C-N-CA	5.03	124.82	119.28
1	1-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	2-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	3-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	4-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	5-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	6-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	7-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	8-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	9-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	10-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	11-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	12-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	13-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	14-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	15-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	16-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	17-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	18-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	19-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	20-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	21-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	22-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	23-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	24-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	25-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	26-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	27-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	28-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	29-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	30-C	721	SER	N-CA-C	-5.03	105.50	111.69

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})
1	31-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	32-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	33-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	34-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	35-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	36-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	37-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	38-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	39-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	40-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	41-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	42-C	721	SER	N-CA-C	-5.03	105.50	111.69
1	43-C	721	SER	N-CA-C	-5.03	105.50	111.69

There are no chirality outliers.

All (260) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
1	1-C	115	TYR	Mainchain
1	1-C	691	LEU	Mainchain
1	1-C	705	LYS	Mainchain
1	1-C	76	SER	Mainchain
1	1-C	824	TRP	Mainchain
2	1-Y	84	ASP	Mainchain
1	10-C	115	TYR	Mainchain
1	10-C	691	LEU	Mainchain
1	10-C	76	SER	Mainchain
1	10-C	824	TRP	Mainchain
2	10-Y	84	ASP	Mainchain
1	11-C	115	TYR	Mainchain
1	11-C	691	LEU	Mainchain
1	11-C	76	SER	Mainchain
1	11-C	824	TRP	Mainchain
2	11-Y	84	ASP	Mainchain
1	12-C	115	TYR	Mainchain
1	12-C	691	LEU	Mainchain
1	12-C	76	SER	Mainchain
1	12-C	774	ARG	Mainchain
1	12-C	824	TRP	Mainchain
2	12-Y	84	ASP	Mainchain
1	13-C	115	TYR	Mainchain
1	13-C	691	LEU	Mainchain

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Mol	Chain	Res	Type	Group
1	13-C	76	SER	Mainchain
1	13-C	824	TRP	Mainchain
2	13-Y	84	ASP	Mainchain
1	14-C	115	TYR	Mainchain
1	14-C	691	LEU	Mainchain
1	14-C	76	SER	Mainchain
1	14-C	824	TRP	Mainchain
2	14-Y	84	ASP	Mainchain
1	15-C	115	TYR	Mainchain
1	15-C	691	LEU	Mainchain
1	15-C	705	LYS	Mainchain,Peptide
1	15-C	76	SER	Mainchain
1	15-C	824	TRP	Mainchain
2	15-Y	84	ASP	Mainchain
1	16-C	115	TYR	Mainchain
1	16-C	691	LEU	Mainchain
1	16-C	76	SER	Mainchain
1	16-C	824	TRP	Mainchain
2	16-Y	84	ASP	Mainchain
1	17-C	115	TYR	Mainchain
1	17-C	691	LEU	Mainchain
1	17-C	76	SER	Mainchain
1	17-C	824	TRP	Mainchain
2	17-Y	84	ASP	Mainchain
1	18-C	115	TYR	Mainchain
1	18-C	691	LEU	Mainchain
1	18-C	705	LYS	Mainchain,Peptide
1	18-C	76	SER	Mainchain
1	18-C	824	TRP	Mainchain
2	18-Y	84	ASP	Mainchain
1	19-C	115	TYR	Mainchain
1	19-C	691	LEU	Mainchain
1	19-C	705	LYS	Mainchain,Peptide
1	19-C	76	SER	Mainchain
1	19-C	774	ARG	Mainchain,Peptide
1	19-C	800	LYS	Mainchain
1	19-C	824	TRP	Mainchain
2	19-Y	84	ASP	Mainchain
1	2-C	115	TYR	Mainchain
1	2-C	691	LEU	Mainchain
1	2-C	76	SER	Mainchain
1	2-C	824	TRP	Mainchain

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Mol	Chain	Res	Type	Group
2	2-Y	84	ASP	Mainchain
1	20-C	115	TYR	Mainchain
1	20-C	691	LEU	Mainchain
1	20-C	705	LYS	Mainchain,Peptide
1	20-C	76	SER	Mainchain
1	20-C	824	TRP	Mainchain
2	20-Y	84	ASP	Mainchain
1	21-C	115	TYR	Mainchain
1	21-C	691	LEU	Mainchain
1	21-C	76	SER	Mainchain
1	21-C	774	ARG	Mainchain
1	21-C	824	TRP	Mainchain
2	21-Y	84	ASP	Mainchain
1	22-C	115	TYR	Mainchain
1	22-C	691	LEU	Mainchain
1	22-C	705	LYS	Mainchain,Peptide
1	22-C	76	SER	Mainchain
1	22-C	774	ARG	Mainchain
1	22-C	824	TRP	Mainchain
2	22-Y	84	ASP	Mainchain
1	23-C	115	TYR	Mainchain
1	23-C	691	LEU	Mainchain
1	23-C	76	SER	Mainchain
1	23-C	824	TRP	Mainchain
2	23-Y	84	ASP	Mainchain
1	24-C	115	TYR	Mainchain
1	24-C	691	LEU	Mainchain
1	24-C	76	SER	Mainchain
1	24-C	824	TRP	Mainchain
2	24-Y	84	ASP	Mainchain
1	25-C	115	TYR	Mainchain
1	25-C	691	LEU	Mainchain
1	25-C	76	SER	Mainchain
1	25-C	774	ARG	Mainchain,Peptide
1	25-C	824	TRP	Mainchain
2	25-Y	84	ASP	Mainchain
1	26-C	115	TYR	Mainchain
1	26-C	691	LEU	Mainchain
1	26-C	76	SER	Mainchain
1	26-C	824	TRP	Mainchain
2	26-Y	84	ASP	Mainchain
1	27-C	115	TYR	Mainchain

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Mol	Chain	Res	Type	Group
1	27-C	691	LEU	Mainchain
1	27-C	76	SER	Mainchain
1	27-C	824	TRP	Mainchain
2	27-Y	84	ASP	Mainchain
1	28-C	115	TYR	Mainchain
1	28-C	691	LEU	Mainchain
1	28-C	705	LYS	Mainchain,Peptide
1	28-C	76	SER	Mainchain
1	28-C	774	ARG	Mainchain,Peptide
1	28-C	824	TRP	Mainchain
2	28-Y	84	ASP	Mainchain
1	29-C	115	TYR	Mainchain
1	29-C	691	LEU	Mainchain
1	29-C	705	LYS	Peptide
1	29-C	76	SER	Mainchain
1	29-C	824	TRP	Mainchain
2	29-Y	84	ASP	Mainchain
1	3-C	115	TYR	Mainchain
1	3-C	691	LEU	Mainchain
1	3-C	76	SER	Mainchain
1	3-C	824	TRP	Mainchain
2	3-Y	84	ASP	Mainchain
1	30-C	115	TYR	Mainchain
1	30-C	691	LEU	Mainchain
1	30-C	76	SER	Mainchain
1	30-C	824	TRP	Mainchain
2	30-Y	84	ASP	Mainchain
1	31-C	115	TYR	Mainchain
1	31-C	691	LEU	Mainchain
1	31-C	705	LYS	Mainchain
1	31-C	76	SER	Mainchain
1	31-C	774	ARG	Mainchain
1	31-C	824	TRP	Mainchain
2	31-Y	84	ASP	Mainchain
1	32-C	115	TYR	Mainchain
1	32-C	691	LEU	Mainchain
1	32-C	76	SER	Mainchain
1	32-C	824	TRP	Mainchain
2	32-Y	84	ASP	Mainchain
1	33-C	115	TYR	Mainchain
1	33-C	691	LEU	Mainchain
1	33-C	76	SER	Mainchain

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Mol	Chain	Res	Type	Group
1	33-C	824	TRP	Mainchain
2	33-Y	84	ASP	Mainchain
1	34-C	115	TYR	Mainchain
1	34-C	691	LEU	Mainchain
1	34-C	705	LYS	Mainchain,Peptide
1	34-C	76	SER	Mainchain
1	34-C	824	TRP	Mainchain
2	34-Y	84	ASP	Mainchain
1	35-C	115	TYR	Mainchain
1	35-C	691	LEU	Mainchain
1	35-C	705	LYS	Mainchain,Peptide
1	35-C	76	SER	Mainchain
1	35-C	824	TRP	Mainchain
2	35-Y	84	ASP	Mainchain
1	36-C	115	TYR	Mainchain
1	36-C	691	LEU	Mainchain
1	36-C	76	SER	Mainchain
1	36-C	824	TRP	Mainchain
2	36-Y	84	ASP	Mainchain
1	37-C	115	TYR	Mainchain
1	37-C	691	LEU	Mainchain
1	37-C	76	SER	Mainchain
1	37-C	774	ARG	Mainchain,Peptide
1	37-C	824	TRP	Mainchain
2	37-Y	84	ASP	Mainchain
1	38-C	115	TYR	Mainchain
1	38-C	691	LEU	Mainchain
1	38-C	76	SER	Mainchain
1	38-C	774	ARG	Mainchain,Peptide
1	38-C	800	LYS	Mainchain
1	38-C	824	TRP	Mainchain
2	38-Y	84	ASP	Mainchain
1	39-C	115	TYR	Mainchain
1	39-C	691	LEU	Mainchain
1	39-C	76	SER	Mainchain
1	39-C	824	TRP	Mainchain
2	39-Y	84	ASP	Mainchain
1	4-C	115	TYR	Mainchain
1	4-C	691	LEU	Mainchain
1	4-C	76	SER	Mainchain
1	4-C	824	TRP	Mainchain
2	4-Y	84	ASP	Mainchain

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Mol	Chain	Res	Type	Group
1	40-C	115	TYR	Mainchain
1	40-C	691	LEU	Mainchain
1	40-C	76	SER	Mainchain
1	40-C	824	TRP	Mainchain
2	40-Y	84	ASP	Mainchain
1	41-C	115	TYR	Mainchain
1	41-C	691	LEU	Mainchain
1	41-C	76	SER	Mainchain
1	41-C	824	TRP	Mainchain
2	41-Y	84	ASP	Mainchain
1	42-C	115	TYR	Mainchain
1	42-C	691	LEU	Mainchain
1	42-C	76	SER	Mainchain
1	42-C	824	TRP	Mainchain
2	42-Y	84	ASP	Mainchain
1	43-C	115	TYR	Mainchain
1	43-C	691	LEU	Mainchain
1	43-C	705	LYS	Mainchain,Peptide
1	43-C	76	SER	Mainchain
1	43-C	774	ARG	Mainchain,Peptide
1	43-C	824	TRP	Mainchain
2	43-Y	84	ASP	Mainchain
1	5-C	115	TYR	Mainchain
1	5-C	691	LEU	Mainchain
1	5-C	76	SER	Mainchain
1	5-C	824	TRP	Mainchain
2	5-Y	84	ASP	Mainchain
1	6-C	115	TYR	Mainchain
1	6-C	691	LEU	Mainchain
1	6-C	76	SER	Mainchain
1	6-C	824	TRP	Mainchain
2	6-Y	84	ASP	Mainchain
1	7-C	115	TYR	Mainchain
1	7-C	691	LEU	Mainchain
1	7-C	705	LYS	Mainchain,Peptide
1	7-C	76	SER	Mainchain
1	7-C	824	TRP	Mainchain
2	7-Y	84	ASP	Mainchain
1	8-C	115	TYR	Mainchain
1	8-C	691	LEU	Mainchain
1	8-C	705	LYS	Mainchain
1	8-C	76	SER	Mainchain

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Mol	Chain	Res	Type	Group
1	8-C	774	ARG	Mainchain
1	8-C	824	TRP	Mainchain
2	8-Y	84	ASP	Mainchain
1	9-C	115	TYR	Mainchain
1	9-C	691	LEU	Mainchain
1	9-C	705	LYS	Mainchain,Peptide
1	9-C	76	SER	Mainchain
1	9-C	824	TRP	Mainchain
2	9-Y	84	ASP	Mainchain

5.2 Too-close contacts (i)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	1-C	6215	0	6178	2718	0
1	2-C	6215	0	6182	2710	0
1	3-C	6215	0	6179	2682	0
1	4-C	6215	0	6182	2714	0
1	5-C	6215	0	6168	2819	0
1	6-C	6215	0	6184	2708	0
1	7-C	6215	0	6143	3072	0
1	8-C	6215	0	6165	2957	0
1	9-C	6215	0	6169	2862	0
1	10-C	6215	0	6185	2662	0
1	11-C	6215	0	6183	2660	0
1	12-C	6215	0	6181	2707	0
1	13-C	6215	0	6182	2685	0
1	14-C	6215	0	6184	2720	0
1	15-C	6215	0	6171	2748	0
1	16-C	6215	0	6185	2664	0
1	17-C	6215	0	6183	2683	0
1	18-C	6215	0	6171	2842	0
1	19-C	6215	0	6170	2839	0
1	20-C	6215	0	6169	2844	0
1	21-C	6215	0	6178	2754	0
1	22-C	6215	0	6175	2794	0
1	23-C	6215	0	6181	2715	0
1	24-C	6215	0	6178	2769	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	25-C	6215	0	6179	2705	0
1	26-C	6215	0	6179	2661	0
1	27-C	6215	0	6183	2727	0
1	28-C	6215	0	6163	2906	0
1	29-C	6215	0	6167	2866	0
1	30-C	6215	0	6183	2662	0
1	31-C	6215	0	6168	2887	0
1	32-C	6215	0	6180	2751	0
1	33-C	6215	0	6184	2667	0
1	34-C	6215	0	6175	2766	0
1	35-C	6215	0	6172	2843	0
1	36-C	6215	0	6185	2656	0
1	37-C	6215	0	6185	2659	0
1	38-C	6215	0	6181	2709	0
1	39-C	6215	0	6180	2702	0
1	40-C	6215	0	6180	2693	0
1	41-C	6215	0	6168	2791	0
1	42-C	6215	0	6176	2692	0
1	43-C	6215	0	6159	2891	0
2	1-Y	1088	0	1066	473	0
2	2-Y	1088	0	1066	476	0
2	3-Y	1088	0	1066	481	0
2	4-Y	1088	0	1066	490	0
2	5-Y	1088	0	1064	494	0
2	6-Y	1088	0	1066	472	0
2	7-Y	1088	0	1066	515	0
2	8-Y	1088	0	1063	499	0
2	9-Y	1088	0	1065	518	0
2	10-Y	1088	0	1066	478	0
2	11-Y	1088	0	1066	478	0
2	12-Y	1088	0	1066	473	0
2	13-Y	1088	0	1066	481	0
2	14-Y	1088	0	1066	480	0
2	15-Y	1088	0	1066	475	0
2	16-Y	1088	0	1066	480	0
2	17-Y	1088	0	1066	478	0
2	18-Y	1088	0	1063	482	0
2	19-Y	1088	0	1066	477	0
2	20-Y	1088	0	1066	483	0
2	21-Y	1088	0	1066	477	0
2	22-Y	1088	0	1066	485	0
2	23-Y	1088	0	1066	487	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
2	24-Y	1088	0	1066	475	0
2	25-Y	1088	0	1064	486	0
2	26-Y	1088	0	1065	508	0
2	27-Y	1088	0	1066	480	0
2	28-Y	1088	0	1054	563	0
2	29-Y	1088	0	1064	662	0
2	30-Y	1088	0	1066	482	0
2	31-Y	1088	0	1066	484	0
2	32-Y	1088	0	1066	480	0
2	33-Y	1088	0	1066	478	0
2	34-Y	1088	0	1066	485	0
2	35-Y	1088	0	1062	504	0
2	36-Y	1088	0	1066	479	0
2	37-Y	1088	0	1066	480	0
2	38-Y	1088	0	1066	482	0
2	39-Y	1088	0	1064	479	0
2	40-Y	1088	0	1066	485	0
2	41-Y	1088	0	1066	472	0
2	42-Y	1088	0	1057	634	0
2	43-Y	1088	0	1066	478	0
3	1-Z	1198	0	1120	510	0
3	2-Z	1198	0	1120	518	0
3	3-Z	1198	0	1120	512	0
3	4-Z	1198	0	1120	517	0
3	5-Z	1198	0	1120	521	0
3	6-Z	1198	0	1117	502	0
3	7-Z	1198	0	1114	740	0
3	8-Z	1198	0	1120	546	0
3	9-Z	1198	0	1120	536	0
3	10-Z	1198	0	1120	504	0
3	11-Z	1198	0	1120	499	0
3	12-Z	1198	0	1120	516	0
3	13-Z	1198	0	1120	502	0
3	14-Z	1198	0	1120	507	0
3	15-Z	1198	0	1120	502	0
3	16-Z	1198	0	1120	507	0
3	17-Z	1198	0	1120	506	0
3	18-Z	1198	0	1120	531	0
3	19-Z	1198	0	1120	533	0
3	20-Z	1198	0	1120	509	0
3	21-Z	1198	0	1120	514	0
3	22-Z	1198	0	1120	545	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
3	23-Z	1198	0	1120	508	0
3	24-Z	1198	0	1118	570	0
3	25-Z	1198	0	1120	519	0
3	26-Z	1198	0	1118	531	0
3	27-Z	1198	0	1117	517	0
3	28-Z	1198	0	1115	590	0
3	29-Z	1198	0	1115	649	0
3	30-Z	1198	0	1120	512	0
3	31-Z	1198	0	1118	614	0
3	32-Z	1198	0	1120	524	0
3	33-Z	1198	0	1120	511	0
3	34-Z	1198	0	1120	510	0
3	35-Z	1198	0	1116	561	0
3	36-Z	1198	0	1120	502	0
3	37-Z	1198	0	1120	513	0
3	38-Z	1198	0	1120	510	0
3	39-Z	1198	0	1120	501	0
3	40-Z	1198	0	1120	515	0
3	41-Z	1198	0	1117	529	0
3	42-Z	1198	0	1115	655	0
3	43-Z	1198	0	1120	506	0
All	All	365543	0	359490	154231	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 213.

All (154231) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:503:GLU:HG3	1:C:761:PHE:CE1	1.20	1.71
1:C:505:ILE:HB	1:C:761:PHE:CD1	1.21	1.71
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.70
1:C:505:ILE:CB	1:C:762:PHE:HA	1.23	1.69
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.68
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.67
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.67
2:Y:117:GLY:CA	3:Z:20:PHE:CD1	1.79	1.66
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.66
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.66
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.66
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.66
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.66
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.66
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.66
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.66
1:C:503:GLU:HB2	1:C:761:PHE:CE1	1.13	1.66
1:C:500:TYR:CE1	1:C:707:PHE:HB2	1.19	1.66
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.66
1:C:801:LEU:HD11	3:Z:21:TRP:CE3	1.28	1.66
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.66
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.66
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.66
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.66
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.66
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.66
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.66
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.66
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.66
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.66
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.65
1:C:505:ILE:CD1	1:C:766:VAL:HG22	1.18	1.65
2:Y:93:PHE:CE2	3:Z:127:LYS:CE	1.77	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.65
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.65
1:C:501:LYS:CD	1:C:743:LEU:HD11	1.20	1.65
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.65
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.65
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.65
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.65
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.65
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.65
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.65
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.64
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.64
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.64
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.64
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.64
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.64
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.64
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.64
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.64
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.64
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.64
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.64
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.64
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.64
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.63
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.63
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.63
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.63
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.63
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.63
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.63
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.63
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.63
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.63
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.63
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.63
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.63
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.63
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.63
2:Y:99:GLN:HE22	3:Z:127:LYS:CE	1.08	1.63
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.63
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.63
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.63
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.63
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.63
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.63
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.63
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.63
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.63
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.63
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.63
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.63
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.63
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.63
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.63
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.63
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.63
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.62
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.62
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.63
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.62
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.62
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.38	1.62
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.62
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.62
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.62
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.62
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.62
1:C:507:TRP:CA	1:C:763:LYS:CB	1.77	1.62
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.62
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.62
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.62
1:C:503:GLU:HG3	1:C:710:ARG:CB	1.15	1.62
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.62
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.62
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.62
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.62
1:C:500:TYR:CE1	1:C:707:PHE:HB2	1.34	1.62
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.62
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.62
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.62
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.62
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.62
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.62
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.61
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.61
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.61
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.61
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.61
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.61
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.61
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.61
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.61
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.61
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.61
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.38	1.61
1:C:505:ILE:HD12	1:C:753:TYR:CB	1.30	1.61
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.61
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.61
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.76	1.61
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.61
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.61
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.61
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.61
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.61
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.61
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.61
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.61
1:C:801:LEU:HD12	3:Z:17:LEU:CD1	1.26	1.61
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.61
1:C:800:LYS:HG3	1:C:804:GLN:CB	1.26	1.61
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.61
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.61
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.61
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.61
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.61
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.61
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.61
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.61
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.61
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.61
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.61
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.61
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.61
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.61
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.61
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.61
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.61
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.61
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.61
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.61
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.61
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.61
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.61
1:C:503:GLU:CG	1:C:761:PHE:HE1	1.11	1.61
1:C:256:LYS:CB	3:Z:95:ARG:HH12	1.13	1.61
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.61
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.61
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.61
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.60
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.60
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.60
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.60
1:C:505:ILE:CG2	1:C:753:TYR:HA	1.28	1.60
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.60
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.60
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.60
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.60
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.60
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.60
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.60
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.60
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.60
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.60
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.60
1:C:505:ILE:CG1	1:C:761:PHE:HB2	1.26	1.60
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.60
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.60
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.60
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.60
1:C:801:LEU:CD1	3:Z:17:LEU:HD21	1.15	1.60
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.60
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.60
1:C:507:TRP:CG	1:C:763:LYS:HB2	1.08	1.60
1:C:454:TYR:CE1	3:Z:92:THR:CB	1.81	1.60
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.60
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.60
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.60
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.38	1.60
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.60
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.60
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.60
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.60
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.60
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.60
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.60
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.60
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.60
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.60
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.60
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.60
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.60
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.60
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.60
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.60
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.60
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.38	1.60
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.60
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.38	1.60
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.60
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.60
2:Y:97:ASP:HB3	3:Z:128:LEU:CD2	1.30	1.60
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.60
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.60
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.60
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.60
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.60
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.60
1:C:801:LEU:HD11	3:Z:21:TRP:CZ3	1.30	1.60
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.60
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.60
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.60
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.60
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.60
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.60
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.60
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.60
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.60
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.60
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.60
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.60
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.60
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.60
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.60
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.60
1:C:502:LYS:HG3	1:C:713:TYR:CZ	1.25	1.60
1:C:505:ILE:CG2	1:C:762:PHE:HA	1.27	1.60
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.60
1:C:500:TYR:CE1	1:C:707:PHE:HB2	1.27	1.60
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.60
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.60
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.59
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.59
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.59
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.59
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.59
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.59
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.59
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.59
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.59
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.59
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.59
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.59
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.59
1:C:500:TYR:CE1	1:C:707:PHE:HB2	1.33	1.59
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.59
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.59
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.59
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.59
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.59
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.59
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.59
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.59
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.59
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.59
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.59
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.59
1:C:504:GLY:HA2	1:C:760:VAL:CG2	1.23	1.59
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.59
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.59
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.59
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.59
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.59
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.59
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.59
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.59
1:C:505:ILE:HG12	1:C:709:SER:CB	1.27	1.59
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.38	1.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.59
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.59
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.59
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.59
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.84	1.59
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.59
1:C:502:LYS:HG3	1:C:757:THR:CG2	1.21	1.59
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.59
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.58
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.58
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.58
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.58
1:C:505:ILE:CA	1:C:762:PHE:CD2	1.79	1.58
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.58
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.58
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.58
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.58
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.58
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.58
1:C:286:TYR:CZ	1:C:312:ILE:HD11	1.20	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.58
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.58
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.58
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.58
1:C:249:ILE:HD11	1:C:251:PHE:CE2	1.31	1.58
2:Y:138:LYS:CE	3:Z:123:ASP:HB3	1.22	1.58
1:C:335:PHE:CE2	1:C:345:LYS:HB2	1.13	1.58
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.58
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.58
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.58
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.58
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.58
1:C:505:ILE:CG1	1:C:763:LYS:H	1.08	1.58
1:C:505:ILE:HG12	1:C:761:PHE:CB	1.29	1.58
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.58
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.58
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.58
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.58
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.58
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.58
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.58
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.58
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.06	1.58
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.58
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.58
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.58
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.06	1.58
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.58
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.58
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.06	1.58
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.58
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.58
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.06	1.58
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.58
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.06	1.58
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.58
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.06	1.58
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.06	1.58
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.58
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.58
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.58
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.58
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.58
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.58
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.58
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.58
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.58
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.58
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.58
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.58
1:C:503:GLU:HB2	1:C:761:PHE:CE1	1.37	1.58
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.58
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.58
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.58
1:C:146:THR:CG2	1:C:768:GLY:HA2	1.28	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.58
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.58
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.58
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.58
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.58
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.58
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.58
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.58
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.58
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.58
1:C:503:GLU:CB	1:C:761:PHE:CE1	1.87	1.58
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.58
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.58
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.58
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.58
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.58
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.58
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.58
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.58
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.06	1.57
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.57
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.57
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.57
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.57
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.57
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.57
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.57
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.57
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.57
1:C:504:GLY:CA	1:C:760:VAL:HB	1.13	1.57
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.57
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.06	1.57
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.57
1:C:508:GLU:CB	1:C:751:ALA:HB1	1.17	1.57
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.57
2:Y:117:GLY:HA2	3:Z:20:PHE:CZ	1.39	1.57
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.57
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.57
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.57
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.57
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.57
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.57
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.57
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.57
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.57
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.06	1.57
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.57
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.57
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.57
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.57
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.57
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.57
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.57
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.57
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.57
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.57
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.57
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.57
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.57
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.57
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.57
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.57
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.57
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.57
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.57
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.57
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.57
1:C:723:LEU:CD2	1:C:777:ARG:HD2	1.12	1.57
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.57
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.57
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.57
1:C:801:LEU:CD1	3:Z:21:TRP:CE3	1.85	1.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.57
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.57
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.57
1:C:510:ILE:CD1	1:C:707:PHE:HZ	1.17	1.57
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.57
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.57
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.57
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.57
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.57
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.57
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.57
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.57
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.57
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.57
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.57
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.57
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.57
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.57
1:C:507:TRP:CG	1:C:763:LYS:CB	1.85	1.57
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.06	1.57
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.06	1.57
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.06	1.57
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.57
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.57
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.57
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.37	1.57
1:C:505:ILE:CD1	1:C:754:ARG:HB3	1.32	1.57
1:C:500:TYR:CZ	1:C:707:PHE:HB2	1.39	1.57
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.57
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.57
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.57
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.57
1:C:176:GLY:HA3	1:C:670:CYS:SG	1.38	1.57
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.57
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.56
1:C:800:LYS:CG	1:C:804:GLN:HB2	1.13	1.56
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.56
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.56
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.56
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.56
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.56
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.56
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.56
1:C:508:GLU:CG	1:C:751:ALA:CB	1.83	1.56
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.56
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.56
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.56
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.56
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.56
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.56
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.56
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.56
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.56
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.56
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.56
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.56
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.56
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.56
1:C:146:THR:HG21	1:C:768:GLY:CA	1.26	1.56
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.56
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.56
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.56
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.56
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.06	1.56
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.56
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.56
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.56
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.56
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.56
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.56
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.56
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.56
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.56
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.56
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.56
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.56
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.56
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.56
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.56
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.56
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.56
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.56
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.56
1:C:504:GLY:C	1:C:767:LEU:CD1	1.78	1.56
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.56
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.56
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.56
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.56
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.56
1:C:505:ILE:CB	1:C:754:ARG:HB3	1.16	1.56
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.56
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.56
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.56
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.56
1:C:507:TRP:CA	1:C:763:LYS:HB2	1.27	1.56
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.56
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.56
1:C:500:TYR:HA	1:C:761:PHE:CG	1.07	1.56
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.56
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.56
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.84	1.56
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.56
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.56
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.56
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.56
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.56
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.56
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.56
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.56
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.56
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.56
1:C:195:LYS:CE	3:Z:108:HIS:HD1	1.01	1.56
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.56
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.56
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.56
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.55
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.55
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.55
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.55
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.55
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.55
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.55
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.55
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.55
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.55
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.55
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.55
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.55
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.55
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.55
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.55
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.55
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.55
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.55
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.55
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.55
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.55
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.55
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.55
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.55
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.55
1:C:502:LYS:CG	1:C:757:THR:HG23	1.30	1.55
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.55
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.55
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.55
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.55
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.55
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.55
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.55
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.55
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.55
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.55
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.55
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.55
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.55
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.55
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.55
1:C:536:GLU:CB	1:C:547:PHE:HE1	1.04	1.55
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.55
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.55
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.55
1:C:505:ILE:CD1	1:C:753:TYR:CA	1.84	1.55
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.55
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.55
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.55
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.55
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.55
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.55
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.55
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.55
1:C:454:TYR:CD1	3:Z:92:THR:CB	1.85	1.55
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.55
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.55
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.55
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.55
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.55
1:C:722:ILE:CG1	1:C:777:ARG:CD	1.75	1.55
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.55
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.55
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.55
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.55
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.55
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.55
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.55
1:C:5:PHE:CZ	1:C:780:LYS:HA	1.10	1.55
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.55
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.55
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.55
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.55
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.55
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.55
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.55
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.55
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.55
1:C:164:VAL:HG13	1:C:778:LEU:CG	1.10	1.55
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.55
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.55
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.55
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.55
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.55
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.55
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.55
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.55
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.55
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.55
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.55
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.55
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.55
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.55
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.55
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.55
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.55
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.55
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.55
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.55
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.55
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.55
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.55
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.55
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.55
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.55
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.55
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.54
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.54
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.54
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.54
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.54
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.54
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.54
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.54
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.54
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.54
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.54
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.54
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.54
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.54
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.54
1:C:508:GLU:HG2	1:C:751:ALA:CB	1.36	1.54
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.54
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.54
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.54
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.54
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.05	1.54
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.54
1:C:503:GLU:CB	1:C:761:PHE:HE1	1.15	1.54
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.54
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.54
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.54
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.54
1:C:164:VAL:CG1	1:C:778:LEU:HB2	1.35	1.54
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.54
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.54
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.54
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.54
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.54
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.54
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.54
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.54
1:C:335:PHE:CZ	1:C:340:PHE:HB3	1.35	1.54
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.54
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.54
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.54
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.54
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.54
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.54
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.84	1.54
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.54
1:C:285:PHE:CE2	1:C:312:ILE:HG21	1.06	1.54
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.54
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.54
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.54
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.54
1:C:293:ILE:HD12	1:C:328:PHE:CE2	1.07	1.54
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.54
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.54
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.54
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.54
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.54
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.54
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.54
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.54
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.54
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.54
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.54
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.54
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.54
1:C:508:GLU:N	1:C:763:LYS:CB	1.71	1.54
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.54
1:C:449:LYS:CA	3:Z:100:PHE:CD2	1.75	1.54
1:C:454:TYR:CE1	3:Z:92:THR:HB	1.05	1.54
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.54
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.54
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.54
1:C:335:PHE:CG	1:C:345:LYS:HD2	1.34	1.54
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.54
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.54
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.54
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.84	1.54
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.54
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.54
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.54
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.54
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.54
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.54
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.54
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.54
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.54
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:505:ILE:CD1	1:C:766:VAL:HG21	1.09	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.53
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.53
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.53
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.53
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.53
1:C:505:ILE:CG2	1:C:754:ARG:HB2	1.06	1.53
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.53
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.53
2:Y:100:GLU:C	3:Z:129:THR:H	1.08	1.53
2:Y:121:ASN:HD21	2:Y:124:GLU:CG	0.97	1.53
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.53
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.53
1:C:243:PHE:HB3	1:C:267:LEU:CD2	1.29	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.53
1:C:500:TYR:CE1	1:C:707:PHE:CB	1.88	1.53
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.53
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.53
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.53
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.53
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.53
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:796:LYS:CE	2:Y:98:GLU:CB	1.81	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
3:Z:42:ILE:CD1	3:Z:44:PRO:HD3	1.14	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.53
1:C:144:ARG:HG3	1:C:771:GLU:CA	1.33	1.53
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.53
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.53
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.53
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.53
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.53
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.53
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.53
1:C:536:GLU:HB3	1:C:547:PHE:CE1	1.06	1.53
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.53
1:C:505:ILE:HD12	1:C:766:VAL:CG2	1.10	1.53
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.53
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.53
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.53
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.53
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.53
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.53
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.53
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.53
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.53
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.33	1.53
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.52
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.52
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.52
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.52
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.52
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.52
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.52
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.52
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.52
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.52
1:C:146:THR:HG21	1:C:768:GLY:CA	1.36	1.52
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.84	1.52
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.52
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.52
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.52
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.52
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.52
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.52
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.52
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.09	1.52
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.52
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.52
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.52
1:C:799:LYS:NZ	1:C:806:ILE:CD1	1.72	1.52
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.52
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.52
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.52
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.52
1:C:499:GLU:CB	1:C:710:ARG:HH12	1.18	1.52
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.52
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.52
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.52
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.52
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.52
1:C:505:ILE:HD11	1:C:766:VAL:CG2	1.33	1.52
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.52
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.52
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.52
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.52
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.52
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.52
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.52
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.52
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.52
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.52
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.52
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.52
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.52
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.52
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.52
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.52
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.52
2:Y:101:THR:HG22	3:Z:126:ILE:CG1	1.39	1.52
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.52
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.52
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.52
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CZ	3:Z:127:LYS:HE2	1.39	1.52
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.52
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.52
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.52
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.33	1.52
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.52
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.52
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.52
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.52
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.52
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.52
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.33	1.52
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.52
2:Y:99:GLN:C	3:Z:127:LYS:CE	1.82	1.52
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.52
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.52
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.52
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.52
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.52
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.52
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.52
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.52
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.52
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.52
1:C:140:TYR:CD2	1:C:153:PHE:HB3	1.39	1.52
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.52
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.52
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.52
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.52
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.52
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.51
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.51
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.51
1:C:503:GLU:CB	1:C:711:LEU:N	1.71	1.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:CG1	1:C:709:SER:HB2	1.04	1.51
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.51
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:704:ARG:CG	1:C:764:ALA:CB	1.83	1.51
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.51
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.51
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.51
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.51
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.51
1:C:254:THR:HG22	3:Z:105:GLU:CA	1.37	1.51
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.51
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.51
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.51
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.51
1:C:505:ILE:CD1	1:C:754:ARG:HB3	1.08	1.51
1:C:505:ILE:HG21	1:C:761:PHE:CB	1.36	1.51
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.51
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.51
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.51
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.51
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.51
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.51
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.51
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.51
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.51
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.51
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.51
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.51
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.51
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.51
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.51
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.51
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.51
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.51
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.35	1.51
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.51
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.35	1.51
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.51
1:C:32:LYS:HA	1:C:48:ILE:CD1	1.34	1.51
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:167:ARG:CG	1:C:722:ILE:HD12	1.25	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:501:LYS:HE2	1:C:743:LEU:CG	1.33	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.51
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.51
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.51
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.51
2:Y:105:ASN:HD21	3:Z:119:ASP:CG	1.11	1.51
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.51
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.51
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.51
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.50
1:C:293:ILE:CD1	1:C:328:PHE:CE2	1.85	1.50
1:C:502:LYS:HG3	1:C:713:TYR:CE1	1.43	1.50
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.50
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.50
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.35	1.50
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:508:GLU:CB	1:C:751:ALA:CB	1.88	1.50
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.50
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.50
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.50
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.50
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.41	1.50
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.35	1.50
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.50
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.50
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.50
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.50
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.41	1.50
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.50
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.50
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.50
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.50
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.50
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.50
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.50
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.50
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.50
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.50
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.50
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.50
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.50
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.50
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.50
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.50
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.50
1:C:285:PHE:CZ	1:C:312:ILE:CG2	1.75	1.50
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.50
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.50
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.50
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.50
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.50
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.50
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.50
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.50
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.50
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.50
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.50
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.50
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.50
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.50
1:C:503:GLU:CB	1:C:761:PHE:HE1	1.19	1.50
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.50
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.50
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.50
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.50
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.50
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.50
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.50
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.50
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.50
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.41	1.50
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.50
1:C:503:GLU:CB	1:C:761:PHE:CE1	1.92	1.50
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.50
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.50
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.50
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.50
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.50
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.50
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.50
1:C:500:TYR:CA	1:C:761:PHE:CD1	1.89	1.50
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.50
1:C:664:HIS:CD2	1:C:711:LEU:HD11	1.00	1.50
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.50
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.50
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.50
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.50
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.50
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.50
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.50
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.50
1:C:499:GLU:HB2	1:C:761:PHE:CD2	1.44	1.50
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.50
1:C:165:THR:CB	1:C:774:ARG:HH12	1.20	1.50
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.50
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.50
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.49
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.49
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.49
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.49
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.49
1:C:505:ILE:CD1	1:C:754:ARG:HB3	1.37	1.49
1:C:126:TYR:CE2	1:C:679:PRO:CD	1.90	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.41	1.49
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.49
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.49
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.35	1.49
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.49
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.49
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.49
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.49
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.49
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:505:ILE:HA	1:C:755:LEU:N	1.28	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:503:GLU:CD	1:C:759:LYS:HB3	1.33	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.49
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.49
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.49
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.49
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.49
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.49
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.49
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.49
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.49
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.49
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.49
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.49
1:C:285:PHE:CD2	1:C:312:ILE:HG12	1.42	1.49
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:801:LEU:CD1	3:Z:17:LEU:CD2	1.89	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.49
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.49
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.49
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.49
2:Y:138:LYS:CE	3:Z:123:ASP:CB	1.85	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.49
3:Z:42:ILE:CD1	3:Z:44:PRO:CD	1.83	1.49
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.49
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.49
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.49
1:C:144:ARG:CG	1:C:771:GLU:HA	1.39	1.49
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.49
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.49
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.49
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.49
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.49
2:Y:138:LYS:NZ	3:Z:123:ASP:HA	1.21	1.49
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.49
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.49
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.49
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.49
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.49
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.49
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.49
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.49
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.49
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.49
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.49
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.49
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.49
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.49
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.49
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.49
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.49
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.49
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.49
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.41	1.49
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.49
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.49
1:C:508:GLU:CG	1:C:751:ALA:CB	1.89	1.49
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.48
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.48
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.48
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.48
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.48
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.48
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.48
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.48
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.48
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.35	1.48
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
1:C:504:GLY:CA	1:C:760:VAL:HG22	1.41	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
1:C:505:ILE:CB	1:C:761:PHE:CD1	1.91	1.48
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48
1:C:502:LYS:C	1:C:757:THR:N	1.69	1.48
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.48
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.48
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.35	1.48
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.35	1.48
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48
1:C:144:ARG:HG2	1:C:774:ARG:CB	1.38	1.48
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.41	1.48
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.35	1.48
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.48
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.48
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.35	1.48
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.48
1:C:801:LEU:HD11	3:Z:21:TRP:CE3	1.49	1.48
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.48
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.48
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.48
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.48
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.48
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.48
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.48
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.48
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.48
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.48
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.48
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.48
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.48
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.48
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.48
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48
1:C:5:PHE:CZ	1:C:780:LYS:CA	1.95	1.48
1:C:5:PHE:CZ	3:Z:45:ARG:NH1	1.80	1.48
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.48
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.48
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.48
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.48
1:C:505:ILE:CG2	1:C:761:PHE:HB2	1.02	1.48
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.48
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.48
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.48
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.48
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.48
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.48
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.48
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.48
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.48
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.41	1.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:506:ALA:HB2	1:C:766:VAL:CB	1.29	1.48
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.48
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.48
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.48
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.48
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.48
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.48
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.48
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.48
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.48
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.48
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.48
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.48
1:C:505:ILE:HG23	1:C:753:TYR:CA	1.40	1.48
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.35	1.48
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.48
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.48
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.48
1:C:505:ILE:CD1	1:C:753:TYR:CB	1.88	1.48
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.48
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.48
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.35	1.48
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.48
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.47
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.47
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.47
1:C:799:LYS:CG	1:C:803:ASP:HB3	1.40	1.47
1:C:254:THR:CG2	3:Z:105:GLU:HA	1.02	1.47
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.47
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.47
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.47
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.41	1.47
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.47
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.47
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.47
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.47
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.47
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.47
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.47
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.47
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.47
1:C:799:LYS:HG2	1:C:803:ASP:CB	1.40	1.47
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.47
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.47
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.47
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.47
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.47
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.47
1:C:126:TYR:CE2	1:C:679:PRO:HD3	0.97	1.47
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.47
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.47
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.47
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.47
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.47
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.47
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.47
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.47
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.47
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.47
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.47
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.35	1.47
2:Y:101:THR:CG2	3:Z:126:ILE:HG12	1.01	1.47
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.47
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.47
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.47
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.47
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.47
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.47
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.47
1:C:505:ILE:HB	1:C:754:ARG:CB	1.45	1.47
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.47
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.47
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.47
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.47
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.47
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.47
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.47
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.47
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.45	1.47
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.47
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.47
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.45	1.47
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.47
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.47
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.47
1:C:800:LYS:NZ	2:Y:95:MET:HG2	1.14	1.47
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.47
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.47
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.47
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.47
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.47
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.47
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.47
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.47
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.47
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.47
1:C:166:ASP:HA	1:C:719:ARG:CD	1.43	1.47
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.47
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.47
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.47
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.47
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.47
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.46
1:C:454:TYR:CD1	3:Z:92:THR:CG2	1.98	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.34	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.46
1:C:500:TYR:CD1	1:C:707:PHE:HB3	1.49	1.46
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.46
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.46
1:C:452:ARG:HH11	3:Z:96:GLU:N	1.14	1.46
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.46
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.46
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.46
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.46
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.46
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.46
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.46
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.46
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.46
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.46
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.46
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.46
1:C:505:ILE:HG23	1:C:754:ARG:CB	0.99	1.46
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.46
1:C:805:ARG:HB2	3:Z:21:TRP:CZ3	1.46	1.46
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.46
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.46
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.46
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.46
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.46
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.46
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.46
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.46
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.41	1.46
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.46
1:C:126:TYR:CD2	1:C:679:PRO:CD	1.94	1.46
1:C:500:TYR:CE1	1:C:707:PHE:HB2	1.47	1.46
1:C:195:LYS:HE2	3:Z:108:HIS:ND1	1.24	1.46
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.35	1.46
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.46
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.46
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.46
2:Y:116:MET:HA	3:Z:23:GLY:CA	1.45	1.46
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.46
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.46
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
2:Y:117:GLY:HA2	3:Z:20:PHE:CD1	1.39	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.46
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.46
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.46
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.46
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.46
1:C:256:LYS:HB2	3:Z:95:ARG:NH1	1.26	1.46
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.46
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.46
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.45	1.46
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.46
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.45
1:C:525:LYS:CG	1:C:526:PRO:CD	1.75	1.45
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.45
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.45
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.45
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.45
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.45
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.45
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.45
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.45
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.45
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.45
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.45
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.45
1:C:525:LYS:HG3	1:C:526:PRO:CD	1.27	1.45
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.45
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.45
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.45
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.45
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.45
1:C:145:LYS:HB2	1:C:768:GLY:CA	1.46	1.45
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.45
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.45
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.45
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.45
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.45
1:C:500:TYR:HD1	1:C:709:SER:N	1.11	1.45
1:C:501:LYS:HD3	1:C:755:LEU:CA	1.33	1.45
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.45
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.45
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.45
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.45
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.45
2:Y:100:GLU:CB	3:Z:128:LEU:H	1.23	1.45
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.45
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.41	1.45
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.45
2:Y:117:GLY:HA3	3:Z:20:PHE:CE1	1.49	1.45
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.45
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.45
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.45
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.45
1:C:800:LYS:C	1:C:802:GLN:N	1.74	1.45
1:C:505:ILE:CD1	1:C:762:PHE:CD1	1.99	1.45
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.45	1.45
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.45
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.45
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.45
1:C:285:PHE:CE2	1:C:312:ILE:CG2	1.80	1.45
1:C:256:LYS:HD3	3:Z:109:VAL:CA	1.44	1.45
1:C:800:LYS:C	1:C:801:LEU:N	1.71	1.45
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.45
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.45
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.45
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.45
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.45
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.45
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.45
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.45
1:C:311:PHE:CE1	1:C:312:ILE:HB	1.47	1.45
1:C:506:ALA:N	1:C:754:ARG:HB3	1.32	1.45
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:449:LYS:HA	3:Z:100:PHE:CD2	0.93	1.45
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.45
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.45
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.45
1:C:275:GLN:HB3	1:C:279:GLU:CD	1.35	1.45
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.45
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.45
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.45
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.45
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.42	1.44
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.44
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.44
1:C:450:ALA:O	3:Z:100:PHE:CD1	1.68	1.44
1:C:500:TYR:HB2	1:C:762:PHE:N	1.21	1.44
1:C:500:TYR:CB	1:C:762:PHE:N	1.78	1.44
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.44
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.44
1:C:281:ASN:CG	1:C:312:ILE:HD13	1.37	1.44
1:C:505:ILE:HD12	1:C:754:ARG:C	1.37	1.44
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.44
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.44
3:Z:44:PRO:HG3	3:Z:75:LEU:CD1	1.41	1.44
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.41	1.44
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.44
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.44
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.44
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.44
1:C:492:MET:HE3	1:C:493:PHE:CE2	1.47	1.44
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.44
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.44
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.44
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.44
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.44
1:C:503:GLU:HB2	1:C:754:ARG:CA	1.42	1.44
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.44
1:C:508:GLU:CD	1:C:751:ALA:HB1	1.42	1.44
1:C:445:THR:C	1:C:446:LEU:N	1.68	1.44
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.44
1:C:705:LYS:C	1:C:706:GLY:N	1.71	1.44
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.44
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.44
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.44
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.44
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.44
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.44
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:704:ARG:HG3	1:C:764:ALA:CB	0.99	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.44
2:Y:40:ILE:HG12	2:Y:56:LEU:CD2	1.41	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
2:Y:138:LYS:NZ	3:Z:123:ASP:CA	1.77	1.44
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:499:GLU:CG	1:C:710:ARG:HH11	1.28	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:509:PHE:H	1:C:751:ALA:CA	1.06	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:335:PHE:CB	1:C:345:LYS:HD2	1.44	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:796:LYS:NZ	2:Y:98:GLU:HB2	1.16	1.44
1:C:504:GLY:C	1:C:755:LEU:HB2	1.39	1.44
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.44
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.44
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.44
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.43
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.43
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.43
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.43
1:C:505:ILE:CD1	1:C:766:VAL:HG11	1.45	1.43
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.43
2:Y:99:GLN:CB	3:Z:127:LYS:HG2	1.45	1.43
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.43
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.43
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.43
1:C:800:LYS:NZ	2:Y:95:MET:HG2	1.13	1.43
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.43
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.43
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.43
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.43
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.43
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.43
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.43
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.43
1:C:195:LYS:CE	3:Z:108:HIS:ND1	1.76	1.43
1:C:12:TYR:O	1:C:12:TYR:CD1	1.71	1.43
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.43
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.43
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.43
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.43
1:C:256:LYS:HD3	3:Z:109:VAL:N	1.24	1.43
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.43
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.43
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.43
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.43
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.43
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.43
1:C:499:GLU:CD	1:C:759:LYS:CB	1.90	1.43
1:C:508:GLU:OE1	1:C:751:ALA:CB	1.65	1.43
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.43
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.43
1:C:508:GLU:CB	1:C:751:ALA:HB1	1.45	1.43
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.43
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.43
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.43
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.43
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.43
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.43
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.43
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.43
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.43
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.43
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.43
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.43
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.43
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.43
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.43
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.43
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.43
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.43
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.43
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.43
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.43
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.43
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.43
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.43
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.43
1:C:804:GLN:OE1	3:Z:21:TRP:CH2	1.72	1.43
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.43
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.43
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.43
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.43
1:C:508:GLU:HB2	1:C:751:ALA:CB	1.42	1.43
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.42
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.42
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.42
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.42
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.42
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.42
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.42
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.42
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.42
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.42
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.42
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.42
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.42
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.42
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.42
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.42
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.42
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.42
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.42
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.42
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.42
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.42
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.42
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.42
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.42
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.42
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.42
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.42
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.42
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.42
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.42
1:C:162:ASN:OD1	1:C:771:GLU:CB	1.67	1.42
1:C:454:TYR:CD1	3:Z:92:THR:HB	1.45	1.42
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.42
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.42
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.42
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.42
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.42
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.42
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.42
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.42
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.42
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.42
1:C:505:ILE:HG12	1:C:761:PHE:CG	1.53	1.42
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.42
1:C:705:LYS:C	1:C:706:GLY:N	1.72	1.42
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.42
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.42
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.42
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.42
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.42
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.42
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.42
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.42
1:C:448:THR:HB	3:Z:102:SER:CB	0.95	1.42
2:Y:108:TYR:CE1	3:Z:123:ASP:OD2	1.71	1.42
1:C:506:ALA:HB1	1:C:766:VAL:CG2	1.50	1.42
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.42
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.42
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.42
1:C:505:ILE:CG1	1:C:709:SER:CB	1.86	1.42
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.42
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.42
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.42
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.42
1:C:799:LYS:HG2	1:C:803:ASP:CB	1.43	1.42
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.42
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.42
1:C:503:GLU:HG3	1:C:761:PHE:CZ	1.52	1.42
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.42
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.42
1:C:505:ILE:CG1	1:C:754:ARG:HB2	1.48	1.42
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.42
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.42
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.42
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.42
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.42
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.42
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.42
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.42
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.42
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.42
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.42
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.42
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.42
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.42
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.42
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.42
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.42
1:C:664:HIS:CE1	1:C:711:LEU:HD13	1.53	1.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:CE	2:Y:98:GLU:HB2	1.45	1.42
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.42
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.42
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.42
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.42
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.42
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.42
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.42
1:C:505:ILE:CD1	1:C:761:PHE:HB2	1.47	1.42
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.42
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.42
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.42
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.42
1:C:507:TRP:HB3	1:C:754:ARG:CG	1.48	1.42
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.42
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.42
1:C:798:TYR:CD2	1:C:802:GLN:HG3	1.55	1.42
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.42
1:C:510:ILE:CG2	1:C:763:LYS:NZ	1.80	1.41
1:C:503:GLU:CG	1:C:710:ARG:CB	1.94	1.41
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.41
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.89	1.41
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.41
1:C:800:LYS:C	1:C:801:LEU:N	1.75	1.41
2:Y:101:THR:CG2	3:Z:126:ILE:CG1	1.92	1.41
2:Y:138:LYS:HZ3	3:Z:123:ASP:N	1.08	1.41
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.41
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.41
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.41
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.41
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.41
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.41
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.41
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.41
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.41
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.41
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.41
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.41
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
2:Y:100:GLU:HG3	3:Z:127:LYS:CD	1.45	1.41
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.41
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.41
1:C:164:VAL:HG13	1:C:778:LEU:CB	1.45	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.41
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.41
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.41
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.41
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.41
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.41
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.41
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.41
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.41
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:507:TRP:HA	1:C:763:LYS:CB	0.94	1.41
1:C:801:LEU:HD12	3:Z:17:LEU:CG	1.47	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.41
1:C:801:LEU:CD1	3:Z:17:LEU:HD11	1.51	1.41
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.41
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.41
1:C:705:LYS:C	1:C:706:GLY:N	1.79	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.41
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.41
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.41
1:C:800:LYS:HZ1	2:Y:95:MET:CG	1.31	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.41
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.41
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.41
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.41
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.41
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.41
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.41
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.41
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.41
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.41
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.41
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.41
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.40
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.40
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.40
1:C:12:TYR:O	1:C:12:TYR:CD1	1.70	1.40
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.40
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.40
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.40
1:C:796:LYS:HE2	3:Z:128:LEU:CD2	1.46	1.40
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.40
1:C:500:TYR:CB	1:C:754:ARG:HG3	1.50	1.40
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.40
1:C:165:THR:C	1:C:715:GLU:OE2	1.64	1.40
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.40
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.40
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.40
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.40
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.40
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.40
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.40
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.40
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.40
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.40
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.40
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.40
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.40
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.40
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.40
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.40
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.40
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.40
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.40
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.40
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.40
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.40
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.40
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.40
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.40
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.40
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.40
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.40
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.40
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.40
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.40
3:Z:5:GLN:HA	3:Z:8:ILE:CD1	1.46	1.40
1:C:502:LYS:NZ	1:C:757:THR:HG23	1.08	1.40
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.40
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.40
1:C:499:GLU:O	1:C:761:PHE:CZ	1.73	1.40
1:C:503:GLU:CG	1:C:761:PHE:CE1	1.85	1.40
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.40
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.40
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.40
1:C:144:ARG:NH2	1:C:719:ARG:HD3	1.33	1.40
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.40
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.40
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.40
1:C:144:ARG:NH1	1:C:719:ARG:NH1	1.68	1.40
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.40
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.40
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.40
1:C:505:ILE:N	1:C:767:LEU:HD12	1.35	1.40
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.40
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.40
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.40
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.40
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.40
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.40
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.40
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.40
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.40
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.40
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.40
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.40
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.40
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.40
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.40
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.40
1:C:503:GLU:HG3	1:C:761:PHE:CZ	1.57	1.40
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.40
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.40
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.40
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.40
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.40
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.40
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.40
1:C:505:ILE:HA	1:C:762:PHE:CD2	0.87	1.40
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.40
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.40
1:C:499:GLU:HB2	1:C:761:PHE:CE2	1.56	1.40
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.40
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.40
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.40
1:C:86:GLU:OE2	1:C:150:PRO:CD	1.66	1.40
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.40
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.40
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.40
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.40
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.40
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.40
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.40
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.40
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.40
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.40
1:C:285:PHE:CZ	1:C:312:ILE:HG21	0.88	1.40
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.40
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.39
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.39
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.39
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.39
1:C:505:ILE:CB	1:C:753:TYR:O	1.70	1.39
1:C:722:ILE:CG1	1:C:777:ARG:HD2	0.93	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.39
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.39
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.39
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.39
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.39
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.39
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.39
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.39
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.39
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.39
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.39
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.39
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.39
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.39
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.39
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.39
2:Y:138:LYS:HE2	3:Z:123:ASP:CB	1.41	1.39
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.39

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:497:GLN:CB	1:C:753:TYR:C	1.93	1.39
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.39
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.39
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.39
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.39
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.39
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.39
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.39
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.39
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.39
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.39
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.39
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.39
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.39
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.39
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.39
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.39
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.39
1:C:504:GLY:N	1:C:760:VAL:CG1	1.86	1.39
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.39
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.39
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.39
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.39
2:Y:121:ASN:ND2	2:Y:124:GLU:CG	1.72	1.39
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.39
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.39
1:C:506:ALA:CB	1:C:753:TYR:H	1.34	1.39
1:C:805:ARG:HA	3:Z:21:TRP:CH2	1.56	1.39
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.39
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.39
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.39
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.39

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.39
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.56	1.39
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.39
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.39
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.39
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
2:Y:116:MET:CA	3:Z:23:GLY:HA2	1.39	1.39
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.39
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:504:GLY:CA	1:C:711:LEU:O	1.70	1.39
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.39
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.39
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.39
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.39
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.39
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.39
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.39
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.39
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.39
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.57	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.39
2:Y:138:LYS:CD	3:Z:123:ASP:CB	1.99	1.39
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.39
1:C:335:PHE:CD2	1:C:345:LYS:HB2	1.54	1.39
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:704:ARG:HG3	1:C:764:ALA:CB	1.49	1.39
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:254:THR:HB	1:C:782:ILE:CG2	1.51	1.39
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.39
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.39
1:C:773:MET:CA	1:C:776:GLU:HB2	1.50	1.39
1:C:505:ILE:HD11	1:C:766:VAL:CG2	1.50	1.39
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.39
1:C:253:PRO:HB2	3:Z:105:GLU:CG	1.33	1.39
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.39
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.39
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.39
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.39
1:C:5:PHE:HE2	1:C:783:SER:CB	1.34	1.39
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.39
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.39
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.39
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.39

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:CD1	1:C:766:VAL:CG2	1.76	1.39
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.38
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.58	1.38
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.38
1:C:502:LYS:O	1:C:755:LEU:CG	1.72	1.38
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.38
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.38
1:C:505:ILE:HD11	1:C:754:ARG:CB	1.53	1.38
1:C:722:ILE:HG12	1:C:777:ARG:CD	1.39	1.38
1:C:502:LYS:CG	1:C:713:TYR:CE1	2.04	1.38
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.38
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.38
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.38
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.38
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.38
1:C:800:LYS:HA	1:C:803:ASP:CG	1.17	1.38
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.38
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.38
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.38
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.38
2:Y:137:GLY:C	3:Z:119:ASP:OD2	1.63	1.38
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.38
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.38
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.38
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.38
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.38
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:113:TYR:HE2	1:C:115:TYR:CE1	1.36	1.38
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.38
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.38
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.38
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.38
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.38
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.38
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.38
1:C:799:LYS:NZ	1:C:806:ILE:HD11	1.28	1.38
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.38
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.38
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.38
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.38
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.38
1:C:503:GLU:HG3	1:C:761:PHE:CZ	1.59	1.38
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.38
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.38
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.38
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.38
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.38
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.38
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.38
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.38
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.38
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.38
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.38
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.37
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.37
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.38
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.38
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.38
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.38
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.38
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.38
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.38

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.38
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.38
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.38
1:C:505:ILE:CD1	1:C:754:ARG:O	1.69	1.38
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.38
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.37
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.37
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.37
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.37
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.37
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.37
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.37
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.37
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.37
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.38
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.38
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.38
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.38
1:C:499:GLU:CB	1:C:710:ARG:HD3	1.51	1.37
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:498:GLU:O	1:C:755:LEU:C	1.67	1.38
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.38
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.37
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.38
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.38
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.37
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.38
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.37
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.37
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.37
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.38
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.38
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.37
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.38

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.38
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.37
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.37
1:C:505:ILE:CB	1:C:761:PHE:HB2	1.15	1.37
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.37
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:832:LYS:CE	2:Y:47:LEU:HB3	1.49	1.37
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.37
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.37
1:C:499:GLU:CB	1:C:710:ARG:HD3	1.49	1.37
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.37
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.37
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.37
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.37
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.37
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.37
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.37
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.37
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.37
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.37
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.37
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.37
1:C:124:ASN:CG	1:C:673:PRO:HD3	1.45	1.37
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.37
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.37
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.37
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.37
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.37
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.37
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.37

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.37
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.37
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.37
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.37
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.37
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.37
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.37
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.37
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.37
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.37
1:C:506:ALA:HB1	1:C:752:GLU:CB	1.45	1.37
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.37
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.37
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.37
1:C:595:LEU:HD13	1:C:596:GLU:N	1.33	1.37
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.37
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.37
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.37
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.37
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.37
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.37
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.37
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.37
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.37
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.37
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.37
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.37
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.37
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.37
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.37
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.37
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.37
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.37
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.37
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.37
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.37
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.37

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.37
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.37
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.37
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.37
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.37
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.37
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.37
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.37
1:C:502:LYS:CA	1:C:713:TYR:OH	1.71	1.37
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.37
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.37
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.35	1.37
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.37
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.37
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.37
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.37
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.37
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.37
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.37
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.37

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:389:ILE:CD1	1:C:394:LEU:HG	1.52	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.37
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.37
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.37
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.37
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.37
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.37
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.36
1:C:536:GLU:CB	1:C:547:PHE:CE1	1.79	1.36
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.36
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.61	1.36
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.36
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.36
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.36
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.36
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.36
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.36
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.36
1:C:454:TYR:N	3:Z:92:THR:HA	1.35	1.36
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.36
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.36
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.36
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.36

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:HB	1:C:762:PHE:CA	1.54	1.36
1:C:499:GLU:CG	1:C:710:ARG:HD3	1.54	1.36
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.36
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.36
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.36
1:C:285:PHE:CD1	1:C:311:PHE:CZ	2.11	1.36
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.36
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.36
1:C:145:LYS:CB	1:C:768:GLY:HA2	1.52	1.36
1:C:506:ALA:CA	1:C:766:VAL:HG11	1.03	1.36
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.36
1:C:507:TRP:CZ3	1:C:706:GLY:O	1.78	1.36
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.36
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.36
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.36
1:C:254:THR:CG2	3:Z:105:GLU:CA	1.90	1.36
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.36
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.36
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.36
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.36
1:C:500:TYR:CE1	1:C:707:PHE:CB	2.08	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.56	1.36
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.36
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.36
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.36
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.36
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.36
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.36
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.36

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.36
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.36
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.36
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.36
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.36
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.36
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.36
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.36
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.36
1:C:505:ILE:HB	1:C:761:PHE:CA	1.56	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.36
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.61	1.36
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.36
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.36
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.36
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.36
1:C:164:VAL:CG1	1:C:778:LEU:CG	2.04	1.36
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.36
1:C:510:ILE:CD1	1:C:707:PHE:CZ	2.07	1.36
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.36
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.36
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.37	1.36
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.36
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.36
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.36
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.36
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
1:C:500:TYR:HE1	1:C:707:PHE:CB	1.38	1.36
1:C:502:LYS:O	1:C:756:GLY:C	1.69	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
1:C:104:ARG:NH1	1:C:684:ALA:HB2	1.31	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.36
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.36
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.37	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
1:C:156:ALA:HB1	1:C:192:TYR:CE2	1.58	1.36
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.36
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.36
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.36
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.36
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:503:GLU:HB2	1:C:754:ARG:C	1.34	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.35
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.35

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:502:LYS:CE	1:C:756:GLY:O	1.73	1.35
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.35
1:C:501:LYS:HG2	1:C:755:LEU:CG	1.56	1.35
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.35
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.35
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.35
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.35
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.35
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.35
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.35
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.35
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.35
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.35
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.35
1:C:506:ALA:O	1:C:763:LYS:N	1.59	1.35
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.35
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.35
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.35
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.35
1:C:253:PRO:HA	3:Z:95:ARG:CD	1.51	1.35
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.35
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.35
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.35
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.35
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.35
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.35
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.35
1:C:507:TRP:CH2	1:C:706:GLY:O	1.76	1.35
1:C:664:HIS:NE2	1:C:711:LEU:CG	1.87	1.35
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.35
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.35
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.61	1.35
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.35

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.35
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.35
1:C:174:ILE:HA	1:C:668:VAL:CG2	1.53	1.35
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.35
2:Y:138:LYS:HZ3	3:Z:123:ASP:CA	1.36	1.35
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.35
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.35
1:C:156:ALA:CB	1:C:192:TYR:CE2	2.07	1.35
1:C:801:LEU:HD21	3:Z:21:TRP:CZ3	1.60	1.35
2:Y:117:GLY:HA2	3:Z:20:PHE:CG	1.62	1.35
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.35
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.35
2:Y:99:GLN:CA	3:Z:128:LEU:HB2	0.93	1.35
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.35
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.35
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.35
1:C:508:GLU:CB	1:C:751:ALA:CA	1.95	1.35
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.35
1:C:503:GLU:CG	1:C:761:PHE:CE1	2.07	1.35
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.35
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.35
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.35
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.35
1:C:164:VAL:CG1	1:C:778:LEU:CB	1.95	1.35
1:C:166:ASP:HA	1:C:720:TYR:CD1	1.52	1.35
1:C:451:LYS:HD3	3:Z:141:TYR:CD2	1.61	1.35
1:C:454:TYR:H	3:Z:92:THR:CA	1.40	1.35
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.35
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.35
1:C:505:ILE:CD1	1:C:766:VAL:CG2	2.03	1.35
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.35
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.35
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.35
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.35
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.35
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.35
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.35

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.35
1:C:503:GLU:CB	1:C:760:VAL:O	1.74	1.35
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.35
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.35
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.35
1:C:705:LYS:C	1:C:706:GLY:N	1.83	1.35
1:C:243:PHE:CE2	1:C:245:LYS:HG3	1.59	1.35
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.35
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.35
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.35
2:Y:93:PHE:CE2	3:Z:127:LYS:HE2	1.43	1.35
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.34
1:C:256:LYS:HB3	3:Z:109:VAL:CG1	1.55	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.34
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.34
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.34
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.34
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.34
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.34
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.34
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.34
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.34
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.34
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.34
1:C:254:THR:O	3:Z:95:ARG:HD2	1.19	1.34
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.56	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.34
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.34
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.34
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.16	1.34
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.34
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.34

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.34
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.34
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.34
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.34
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.34
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.61	1.34
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.34
1:C:800:LYS:C	1:C:801:LEU:N	1.81	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.34
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.34
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.34
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.34
1:C:503:GLU:OE1	1:C:759:LYS:CB	1.74	1.34
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.34
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.34
1:C:505:ILE:CD1	1:C:752:GLU:HB3	1.56	1.34
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.34
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.34
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.34
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.34
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.34
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.16	1.34
1:C:505:ILE:CG1	1:C:754:ARG:HB3	1.55	1.34
1:C:573:GLN:O	1:C:573:GLN:CD	1.66	1.34
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.34
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.61	1.34
1:C:296:LEU:CD2	1:C:299:VAL:HG21	1.52	1.34
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.34
1:C:502:LYS:HE2	1:C:713:TYR:CE2	1.61	1.34
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.34
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:503:GLU:CG	1:C:754:ARG:O	1.74	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:CG1	1:C:754:ARG:HB3	1.55	1.34
1:C:800:LYS:HD2	2:Y:95:MET:CG	1.39	1.34
2:Y:105:ASN:OD1	3:Z:118:SER:HB2	1.19	1.34
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.34
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.34
1:C:497:GLN:NE2	1:C:753:TYR:O	1.58	1.34
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.34
1:C:506:ALA:CB	1:C:753:TYR:O	1.75	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:449:LYS:CD	3:Z:138:ASN:ND2	1.73	1.34
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.34
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.34
1:C:505:ILE:HA	1:C:762:PHE:CG	1.39	1.34
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.34
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.34
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.37	1.34
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.34
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.34
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.34
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.34
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:798:TYR:O	1:C:802:GLN:HG2	1.23	1.34
1:C:800:LYS:C	1:C:801:LEU:N	1.83	1.34
1:C:497:GLN:O	1:C:761:PHE:CB	1.76	1.34
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.34
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.34
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.34
1:C:503:GLU:CG	1:C:755:LEU:O	1.65	1.34
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.34
1:C:494:ILE:CD1	1:C:755:LEU:HG	1.54	1.34
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.34
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.34
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.34
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.34

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:800:LYS:C	1:C:801:LEU:N	1.85	1.34
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:505:ILE:HG12	1:C:763:LYS:N	1.01	1.34
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.34
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.34
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.34
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.34
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.34
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.33
1:C:500:TYR:CD2	1:C:761:PHE:HB3	1.61	1.33
1:C:501:LYS:CD	1:C:755:LEU:HA	1.47	1.33
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.33
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.33
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.61	1.33
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.33
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.33
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.33
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.33
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:335:PHE:CE2	1:C:345:LYS:CB	2.07	1.33
1:C:800:LYS:CG	1:C:803:ASP:OD2	1.75	1.33
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:256:LYS:CB	3:Z:109:VAL:HG12	1.57	1.33
1:C:508:GLU:CA	1:C:752:GLU:OE2	1.67	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.61	1.33

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.33
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.33
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.33
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.33
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.33
1:C:135:SER:OG	3:Z:116:ARG:NH1	1.56	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.33
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.33
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.33
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.33
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.33
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.33
1:C:254:THR:CB	1:C:782:ILE:HG23	1.58	1.33
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.33
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.33
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.33
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.16	1.33
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.33
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:499:GLU:OE2	1:C:759:LYS:HD2	1.27	1.33
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.33
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.33
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.33
1:C:503:GLU:CD	1:C:711:LEU:C	1.94	1.33
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.60	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:81:LYS:NZ	1:C:772:GLU:HG2	1.44	1.33

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.33
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.33
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.33
1:C:800:LYS:C	1:C:801:LEU:N	1.86	1.33
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.33
2:Y:105:ASN:HB3	2:Y:108:TYR:CD1	1.61	1.33
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.33
1:C:501:LYS:HD3	1:C:743:LEU:CD1	1.59	1.33
1:C:725:PRO:CG	3:Z:88:GLU:OE2	1.76	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:723:LEU:O	1:C:777:ARG:NH2	1.62	1.33
1:C:503:GLU:OE2	1:C:711:LEU:N	1.57	1.33
1:C:503:GLU:O	1:C:757:THR:N	1.61	1.33
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.33
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.33
1:C:507:TRP:HB3	1:C:754:ARG:CD	1.59	1.33
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.33
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.33
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.33
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.32
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.32
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.32
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.32
1:C:163:MET:C	1:C:774:ARG:HD2	1.54	1.32
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.32
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.32
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.32
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.32
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.32
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.32
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.32
1:C:495:LEU:O	1:C:761:PHE:CZ	1.81	1.32
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.32
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.32
1:C:774:ARG:C	1:C:775:ASP:N	1.85	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.32

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:146:THR:N	1:C:771:GLU:CB	1.86	1.32
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.32
1:C:505:ILE:CD1	1:C:754:ARG:CB	1.80	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.32
1:C:124:ASN:ND2	1:C:673:PRO:HD3	1.36	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.32
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.32
1:C:162:ASN:CG	1:C:771:GLU:HB2	1.34	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.32
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.32
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.32
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.32
1:C:501:LYS:CG	1:C:755:LEU:HG	1.58	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:725:PRO:CB	3:Z:88:GLU:OE2	1.75	1.32
1:C:800:LYS:CA	1:C:803:ASP:CG	2.02	1.32
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.32
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.32
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.32
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.32
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.32
2:Y:100:GLU:CG	3:Z:124:GLU:O	1.76	1.32
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.32

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.32
1:C:8:PRO:CD	3:Z:115:GLU:HA	1.59	1.32
1:C:254:THR:O	3:Z:95:ARG:CD	1.77	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.32
1:C:505:ILE:CD1	1:C:753:TYR:HB2	1.52	1.32
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.32
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:654:ASN:ND2	1:C:655:LYS:HD2	1.38	1.32
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.32
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.32
1:C:500:TYR:CG	1:C:707:PHE:HB3	1.65	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.72	1.32
1:C:664:HIS:CE1	1:C:711:LEU:CD1	2.08	1.32
1:C:507:TRP:C	1:C:764:ALA:O	1.71	1.32
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.32
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.32
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.32
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:500:TYR:CA	1:C:761:PHE:CG	2.01	1.32
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.32
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.32
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.32
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
1:C:497:GLN:HB3	1:C:753:TYR:C	1.00	1.32

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.32
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.32
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.32
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.32
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
1:C:705:LYS:C	1:C:706:GLY:N	1.88	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.32
2:Y:99:GLN:HB3	3:Z:125:ILE:CD1	1.59	1.32
2:Y:101:THR:CB	3:Z:126:ILE:HG12	1.58	1.32
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.32
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.32
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.32
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.32
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.32
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.31
1:C:510:ILE:HG23	1:C:763:LYS:NZ	1.37	1.31
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.31
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.31
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
1:C:166:ASP:HA	1:C:720:TYR:CG	1.63	1.31
1:C:256:LYS:O	3:Z:93:PHE:CD1	1.79	1.31

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.31
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.31
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.31
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.31
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
1:C:507:TRP:CE3	1:C:707:PHE:CE1	2.17	1.31
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.31
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.31
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.31
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.31
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.31
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.31
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.31
1:C:502:LYS:CG	1:C:757:THR:HG23	1.60	1.31
2:Y:105:ASN:OD1	3:Z:120:GLU:N	1.61	1.31
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.31
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.31
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.31
2:Y:138:LYS:CD	3:Z:123:ASP:HB2	1.59	1.31
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.31
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.31
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.31
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.31
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.31
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.31
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.31
1:C:454:TYR:HD1	3:Z:92:THR:CG2	1.38	1.31
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.31

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.31
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.31
1:C:504:GLY:C	1:C:755:LEU:CB	1.91	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.31
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CA	1.56	1.31
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.31
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.31
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.31
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.31
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.31
1:C:800:LYS:C	1:C:801:LEU:N	1.86	1.31
1:C:167:ARG:NH2	3:Z:95:ARG:HG2	1.42	1.31
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.31
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.31
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.31
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.31
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.31
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.31
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.31
1:C:166:ASP:CA	1:C:720:TYR:CG	2.13	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
1:C:454:TYR:CD1	3:Z:92:THR:HG22	1.60	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.31
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
1:C:799:LYS:O	1:C:803:ASP:N	1.61	1.31
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.31

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.31
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.31
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.31
1:C:126:TYR:HD2	1:C:679:PRO:CB	1.40	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.31
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.31
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.31
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.31
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.31
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.31
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.31
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.66	1.31
1:C:826:TRP:CZ2	2:Y:72:PHE:CE1	2.15	1.31
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.31
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.31
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.31
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.31
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.31
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.31
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.31
1:C:275:GLN:C	1:C:279:GLU:OE2	1.72	1.31
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.31
1:C:505:ILE:CD1	1:C:766:VAL:HG21	1.59	1.31
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.31
1:C:705:LYS:C	1:C:706:GLY:O	1.69	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.31
1:C:505:ILE:HG13	1:C:762:PHE:O	1.20	1.31
2:Y:105:ASN:ND2	3:Z:119:ASP:CG	1.82	1.31

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.31
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.31
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.31
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.31
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.31
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.31
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.31
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.31
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.31
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.31
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.31
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.31
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
2:Y:99:GLN:CG	3:Z:128:LEU:HA	1.58	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.31
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.31
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.31
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.31
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.31
1:C:505:ILE:HB	1:C:761:PHE:CE1	1.64	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
1:C:503:GLU:HB3	1:C:755:LEU:O	1.13	1.31
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.31
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.31
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.31
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.31

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.31
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.31
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.31
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.31
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.31
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.31
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.31
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.31
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.31
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.31
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.31
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.31
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.30
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.30
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.30
1:C:164:VAL:CG2	1:C:778:LEU:HD12	1.60	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.30
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.30
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.30
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.30
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.30
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.30
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:503:GLU:CB	1:C:711:LEU:H	1.40	1.30
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.30

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.30
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.30
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.30
1:C:772:GLU:OE1	1:C:776:GLU:CD	1.72	1.30
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.30
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.30
1:C:502:LYS:HE2	1:C:756:GLY:O	1.25	1.30
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.30
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.30
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.66	1.30
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.30
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.30
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.30
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.30
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.30
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.30
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.30
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.30
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.30
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.30
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.30
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.30
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.30
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.30
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.30
1:C:253:PRO:O	3:Z:89:ALA:CB	1.77	1.30
1:C:502:LYS:HE3	1:C:757:THR:OG1	1.30	1.30
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.30
1:C:509:PHE:CD2	1:C:749:ASP:OD1	1.84	1.30
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.30
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.30
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.30
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.30
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.30
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.30
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.30
1:C:505:ILE:CB	1:C:762:PHE:CA	2.07	1.30

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.30
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.30
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.30
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:799:LYS:HG3	1:C:803:ASP:CB	1.57	1.30
1:C:800:LYS:CA	1:C:804:GLN:HB2	1.62	1.30
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.30
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.30
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.30
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.30
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.30
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.30
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.30
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.30
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.30
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.30
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.30
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.30
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.30
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.30
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:508:GLU:N	1:C:763:LYS:HB3	0.98	1.30
1:C:451:LYS:HB2	3:Z:141:TYR:CB	1.60	1.30
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.30
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:796:LYS:HE3	2:Y:98:GLU:CB	1.45	1.30
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:503:GLU:OE2	1:C:711:LEU:CA	1.77	1.30
1:C:506:ALA:CB	1:C:766:VAL:HG11	1.60	1.30

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.30
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.30
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.30
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.30
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.30
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.30
1:C:5:PHE:CE1	1:C:780:LYS:HA	1.65	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.30
1:C:505:ILE:CD1	1:C:753:TYR:HA	1.50	1.30
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.30
2:Y:99:GLN:C	3:Z:127:LYS:HE3	0.90	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.30
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
2:Y:99:GLN:NE2	3:Z:127:LYS:HE2	1.00	1.30
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.30
1:C:773:MET:HA	1:C:776:GLU:CG	1.59	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.30
1:C:800:LYS:NZ	2:Y:95:MET:CG	1.94	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:164:VAL:HG13	1:C:778:LEU:CD1	1.62	1.30
1:C:505:ILE:O	1:C:767:LEU:HB2	1.29	1.30
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.30
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.30
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.30
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.30
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.30
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.30
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.30
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.30
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.30
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.30
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.30
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.30
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.30
1:C:505:ILE:HB	1:C:761:PHE:N	1.45	1.30
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.30
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.30
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.30
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.30
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.30
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.16	1.30
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.30
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.30
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.30

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.30
2:Y:108:TYR:OH	3:Z:120:GLU:HG3	1.29	1.30
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.30
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.30
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.30
1:C:500:TYR:CA	1:C:709:SER:O	1.77	1.30
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.30
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.30
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.30
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.30
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.30
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.30
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.30
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.30
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.30
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.30
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.30
1:C:500:TYR:CB	1:C:754:ARG:HB2	1.62	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
1:C:166:ASP:CB	1:C:719:ARG:HH11	1.44	1.30
1:C:505:ILE:CG2	1:C:762:PHE:CA	2.07	1.30
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.30
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.30
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.30
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.30
1:C:81:LYS:NZ	1:C:772:GLU:CG	1.95	1.30
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.30
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.30
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.30
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.30
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.30
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.30
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.30
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.30
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.30
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.30
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.30
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.30

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:100:GLU:O	3:Z:126:ILE:CG1	1.78	1.30
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.30
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.30
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.30
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.30
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.30
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.30
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.30
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.30
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.30
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.30
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.30
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.30
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.30
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.30
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.30
1:C:500:TYR:O	1:C:762:PHE:CD1	1.84	1.30
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.29
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.29
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.29
1:C:773:MET:HA	1:C:776:GLU:CB	1.62	1.29
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.29
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.29
1:C:503:GLU:CG	1:C:759:LYS:HB3	1.61	1.29
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.29
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.29
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.29
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.29
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.29
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.29
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.29
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.29
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.29
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.29
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.29
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.29
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.29
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.29
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.29
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.29
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.29

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.29
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.29
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.29
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.29
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.29
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.29
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.29
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.29
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.29
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.29
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.16	1.29
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.29
1:C:799:LYS:CG	1:C:803:ASP:HB3	1.61	1.29
1:C:275:GLN:C	1:C:279:GLU:OE2	1.73	1.29
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.29
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.29
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.29
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.66	1.29
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.29
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.29
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.29
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.29
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:164:VAL:N	1:C:774:ARG:NE	1.79	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.29
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.29

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.29
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.29
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.29
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.29
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.29
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.29
1:C:801:LEU:HD12	3:Z:17:LEU:CD2	1.51	1.29
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.29
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.29
1:C:166:ASP:OD1	1:C:712:ILE:HD12	1.12	1.29
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.29
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.29
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.29
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.29
1:C:505:ILE:CD1	1:C:754:ARG:HE	1.44	1.29
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.29
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.29

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.29
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.29
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.29
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.29
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.29
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.29
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.29
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.29
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.29
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.29
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.29
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:500:TYR:HB2	1:C:761:PHE:C	1.54	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:498:GLU:OE1	1:C:755:LEU:HB2	1.11	1.29
1:C:507:TRP:CZ3	1:C:706:GLY:C	2.10	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.29
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.62	1.29
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.29
1:C:505:ILE:CD1	1:C:754:ARG:HB3	1.61	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.29
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.29
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.29
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.29
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.29
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.29
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.29
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:453:ASN:OD1	3:Z:95:ARG:NH1	1.63	1.29

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.29
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.29
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.29
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.29
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.29
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.29
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.29
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.29
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.29
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.29
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.29
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.29
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.29
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.29
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.29
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.29
1:C:499:GLU:CB	1:C:710:ARG:NH1	1.94	1.29
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.29
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.66	1.29
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.29
1:C:800:LYS:HZ3	1:C:808:LEU:CG	1.44	1.29
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.29
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.29
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.29
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.29
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.29
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.29
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.29
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.29

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:448:THR:CB	3:Z:102:SER:HB3	0.83	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.29
1:C:505:ILE:O	1:C:767:LEU:CB	1.79	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.29
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.29
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.29
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.29
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.29
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.29
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.29
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.29
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.29
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.29
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.29
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.29
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.29
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.29
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.29
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.29
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.29
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.29
1:C:503:GLU:CG	1:C:760:VAL:HG23	1.46	1.29
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.29
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.29
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.29
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.29
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.29
1:C:502:LYS:CG	1:C:713:TYR:OH	1.80	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:800:LYS:C	1:C:801:LEU:C	2.01	1.29
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.29
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.29
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.29
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.29
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.29
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.29
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.29
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.29
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.29
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.29
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.29
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.29
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.29
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.29
1:C:800:LYS:NZ	1:C:808:LEU:HG	1.43	1.29
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.62	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.29
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.16	1.29
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.29
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.29
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.29
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.62	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:503:GLU:CG	1:C:710:ARG:HB3	1.59	1.29
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.29
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.29

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.62	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.29
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.62	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.62	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.62	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.62	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.29
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.29
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.29
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.29
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.29
1:C:505:ILE:HG21	1:C:709:SER:O	1.32	1.29
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.29
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.29
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.29
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.29
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.29
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.29
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.29

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.29
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.29
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.29
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.29
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.29
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.29
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.29
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.29
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.29
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.29
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.29
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.28
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:503:GLU:OE1	1:C:759:LYS:HD3	1.22	1.28
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.28
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.28
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.28
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.28
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.28
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.28
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.28
1:C:166:ASP:CA	1:C:719:ARG:HD3	1.62	1.28
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:500:TYR:CE1	1:C:707:PHE:CB	2.13	1.28
1:C:800:LYS:C	1:C:801:LEU:HA	1.58	1.28
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.28
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.66	1.28
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.28
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.28
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.28
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.28
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:704:ARG:CA	1:C:764:ALA:HB2	1.62	1.28
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.28
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:505:ILE:CG2	1:C:761:PHE:CB	1.99	1.28
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.28
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.28
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.28
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.28
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.28
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.28
1:C:801:LEU:CD1	3:Z:17:LEU:HD21	1.62	1.28
1:C:501:LYS:HB2	1:C:750:PRO:O	1.26	1.28
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.28
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.28
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.28
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.28
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.28
1:C:505:ILE:CD1	1:C:766:VAL:CG2	2.08	1.28
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.28
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.28
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.28
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.28
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.28
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.28

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.28
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.28
1:C:5:PHE:CE1	1:C:780:LYS:CB	2.16	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.28
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.28
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.28
1:C:506:ALA:HB1	1:C:750:PRO:O	1.27	1.28
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.28
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.28
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.28
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.28
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.28
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.28
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.28
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.28
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.28
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.28
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.28
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.28
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.28
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.28
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.28
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.28
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.28
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.28
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:166:ASP:CA	1:C:720:TYR:CD1	2.04	1.28

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.28
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.28
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.62	1.28
1:C:358:MET:HE1	1:C:426:LEU:CB	1.60	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.28
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.28
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.28
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.28
1:C:506:ALA:CB	1:C:752:GLU:HB3	1.62	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:24:GLN:O	1:C:24:GLN:CD	1.73	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.28
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.28
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.28
1:C:500:TYR:CD1	1:C:707:PHE:CB	2.07	1.28
1:C:503:GLU:HB2	1:C:761:PHE:CD1	1.69	1.28
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.28
1:C:505:ILE:CD1	1:C:754:ARG:HE	1.46	1.28
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.28
1:C:134:ASP:O	3:Z:108:HIS:CD2	1.85	1.28
1:C:389:ILE:HD11	1:C:394:LEU:CG	1.60	1.28
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.28
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.28
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.28
1:C:100:LEU:HD11	1:C:688:LEU:CB	1.60	1.28
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.28
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.28
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:147:GLU:CD	1:C:775:ASP:OD2	1.75	1.28
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.28
1:C:502:LYS:O	1:C:757:THR:HG23	1.28	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.28
1:C:286:TYR:OH	1:C:312:ILE:CD1	1.79	1.28
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.28
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.28
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.28
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.28
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.28
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.28
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.28
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.28
1:C:335:PHE:CE2	1:C:340:PHE:HB3	1.65	1.28

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.28
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.28
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.28
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.28
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:723:LEU:HA	1:C:777:ARG:CZ	1.64	1.28
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:497:GLN:O	1:C:754:ARG:HB3	1.34	1.28
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.28
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.28
1:C:503:GLU:CB	1:C:754:ARG:C	1.93	1.28
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.28
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.28
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.28
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.28
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.28
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.28
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.28
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.28
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.28
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.28
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.28
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.28
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.28
1:C:799:LYS:CG	1:C:803:ASP:CB	2.12	1.28

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.28
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.28
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.28
1:C:800:LYS:NZ	1:C:808:LEU:CG	1.95	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.28
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.28
1:C:507:TRP:CZ3	1:C:707:PHE:CD1	2.19	1.28
1:C:507:TRP:CZ3	1:C:707:PHE:CE1	2.21	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.28
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.28
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.28
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.28
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.28
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.28
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.28
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.28
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.28
1:C:505:ILE:CA	1:C:762:PHE:CG	1.98	1.28
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.28
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.28
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:773:MET:HA	1:C:776:GLU:CG	1.60	1.28
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.28
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.28
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.28
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.28

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.28
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.28
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.28
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.64	1.28
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.28
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:506:ALA:N	1:C:762:PHE:HA	1.48	1.28
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.28
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.28
1:C:8:PRO:HD2	3:Z:115:GLU:CA	1.62	1.28
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.28
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.28
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.28
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.28
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.28
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.28
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.28
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.28
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.28
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.28
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.28
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.28
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.16	1.28
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.28
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.28
1:C:800:LYS:C	1:C:801:LEU:C	2.01	1.28
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.28
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.28
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.28
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
3:Z:18:PHE:CE1	3:Z:32:LYS:HG2	1.66	1.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.27
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.27
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.27
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.27
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.27
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.27
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.27
1:C:164:VAL:HG12	1:C:774:ARG:O	1.32	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.27
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.27
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.27
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
1:C:505:ILE:HG13	1:C:754:ARG:CB	1.63	1.27
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.27
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.64	1.27
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.27
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.27
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.27
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.27
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.27
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.27
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.27
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.27
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.27
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.27
1:C:502:LYS:N	1:C:755:LEU:O	1.65	1.27
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.27
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.27
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.27
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.27
3:Z:111:THR:HA	3:Z:117:LEU:CD1	1.60	1.27
1:C:525:LYS:CG	1:C:526:PRO:HD2	0.81	1.27
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.27
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.27
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.27
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.27
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.27
1:C:805:ARG:CB	3:Z:21:TRP:CZ3	2.14	1.27
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.27
1:C:163:MET:CG	1:C:170:GLN:CG	2.10	1.27
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.27
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.27
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.27
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.27
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.27
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.27
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.27
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.27
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.27
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.27
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.27
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.27
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.27
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.27
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.27
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.27
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.27
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.27
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.27
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.27
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.27
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.27
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.27
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.27
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.27
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.35	1.27
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.27
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.27
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.27
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.27
1:C:504:GLY:O	1:C:760:VAL:HB	1.33	1.27
1:C:792:TYR:OH	2:Y:99:GLN:HG2	1.31	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.27
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.27
1:C:506:ALA:HB3	1:C:753:TYR:N	1.08	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.27
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.27
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.27
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.27
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.27
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
2:Y:97:ASP:HB3	3:Z:128:LEU:CG	1.53	1.27
2:Y:100:GLU:C	3:Z:129:THR:N	1.85	1.27
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.27
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.27
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.27
1:C:801:LEU:CD1	3:Z:21:TRP:CE3	2.17	1.27
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.27
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.56	1.27
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:161:GLN:O	1:C:774:ARG:HB3	1.30	1.27
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.56	1.27
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.27
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.56	1.27
1:C:503:GLU:CD	1:C:759:LYS:HD2	1.39	1.27
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.27
1:C:800:LYS:HA	1:C:803:ASP:OD2	1.25	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.27
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.27
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.27
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.56	1.27
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.64	1.27
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.56	1.27
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.27
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.27
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.27
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.56	1.27
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.27
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.27
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.27
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.27
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.27
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.27
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.27
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.27
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.27
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.27
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.27
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.27
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.27
1:C:703:CYS:C	1:C:764:ALA:HB2	1.59	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.27
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.27
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.27
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.27
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.27
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.27
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.27
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.27
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.27
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.27
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.27
1:C:503:GLU:HG3	1:C:761:PHE:CZ	1.67	1.27
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.27
1:C:286:TYR:OH	1:C:312:ILE:HD11	1.17	1.27
1:C:504:GLY:O	1:C:767:LEU:HD23	1.32	1.27
1:C:508:GLU:CG	1:C:751:ALA:HB2	1.54	1.27
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.27
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.27
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.27
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.27
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.27
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.27
1:C:504:GLY:CA	1:C:767:LEU:HD11	1.63	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.27
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.27
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.27
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.27
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.27
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.27
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.27
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.27
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
2:Y:32:ASP:HB2	2:Y:34:PHE:CE1	1.65	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.27
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.27
1:C:256:LYS:N	3:Z:95:ARG:NH1	1.81	1.27
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.27
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.69	1.27
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.27
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.27
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.27
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.27
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.27
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.27
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.27
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.27
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.17	1.27
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.27
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.27
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.27
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.27
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.27
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.27
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.27
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.27
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.27
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.27
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.27
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.27
1:C:505:ILE:CG2	1:C:761:PHE:HB2	1.65	1.27
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.27
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.27
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.27
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.27
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.27
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.27
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.27
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:100:LEU:CD1	1:C:688:LEU:HB2	1.61	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.27
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.27
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.27
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.27
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.27
1:C:253:PRO:CB	3:Z:105:GLU:HG3	1.23	1.27
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.27
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.27
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.27
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.27
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.27
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.27
2:Y:116:MET:HE1	3:Z:21:TRP:O	1.25	1.27
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.27
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.27
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.27
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.27
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.27
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.27
1:C:508:GLU:CB	1:C:751:ALA:CB	2.12	1.27
1:C:800:LYS:HE3	1:C:804:GLN:CA	1.01	1.27
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.27
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.27
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.27
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.27
1:C:500:TYR:HA	1:C:761:PHE:CD1	1.48	1.27
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.27
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.27
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.27
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.27
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.27
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.27
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.69	1.27
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.27
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.27
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.27
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.27
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.87	1.27

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.27
1:C:800:LYS:HZ3	1:C:808:LEU:CD1	1.47	1.27
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.27
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
3:Z:131:LEU:HD11	3:Z:144:PHE:CD1	1.66	1.26
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.26
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.26
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.26
1:C:800:LYS:CA	1:C:803:ASP:OD1	1.79	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.26
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.26
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.26
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.26
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.26
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.26
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.26
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.26
1:C:286:TYR:CZ	1:C:312:ILE:CD1	2.15	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.26
2:Y:103:LYS:CB	3:Z:120:GLU:OE1	1.82	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.26
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.26
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26
1:C:5:PHE:CE2	1:C:783:SER:OG	1.88	1.26
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.26
1:C:256:LYS:CB	3:Z:95:ARG:NH1	1.80	1.26
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.26
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.26
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
1:C:500:TYR:C	1:C:761:PHE:CD1	2.12	1.26
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.26
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.26
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.26
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.26
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.26
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.26
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.26
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.26
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.26
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.26
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.26
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.26
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.26
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.26
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.26
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.26
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.26
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.17	1.26
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.26
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.26
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.26
1:C:507:TRP:CE3	1:C:707:PHE:CE1	2.23	1.26
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.26
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.26
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.26
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.26
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:168:GLU:HA	1:C:718:GLN:OE1	1.31	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.26
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
1:C:504:GLY:CA	1:C:711:LEU:C	1.99	1.26
1:C:505:ILE:CG2	1:C:761:PHE:HA	1.66	1.26
2:Y:108:TYR:CE1	3:Z:123:ASP:OD2	1.87	1.26
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.17	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.26
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.26
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.26
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.17	1.26
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.69	1.26
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.26
1:C:507:TRP:CZ3	1:C:707:PHE:CE1	2.24	1.26
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.26
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.26
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.26
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.26
1:C:499:GLU:O	1:C:754:ARG:O	1.52	1.26
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.26
1:C:556:MET:SD	1:C:562:PHE:HE2	1.55	1.26
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.26
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.26
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:505:ILE:CG1	1:C:754:ARG:HB3	1.57	1.26
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.26
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.26
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.26
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.26
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.26
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.26
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.26
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.26
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.65	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.26
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.26
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.26
1:C:709:SER:C	1:C:710:ARG:N	1.93	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
1:C:56:ILE:CD1	1:C:58:VAL:HG13	1.63	1.26
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.26
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.26
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.26
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.26
1:C:147:GLU:OE2	1:C:775:ASP:CG	1.77	1.26
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.26
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.87	1.26
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.26
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.26
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.26
1:C:800:LYS:NZ	1:C:808:LEU:CD1	1.98	1.26
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.26
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.26
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.26
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.26
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.26
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:501:LYS:CA	1:C:761:PHE:N	1.97	1.26
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.26
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.26
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.26
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.26
1:C:126:TYR:CD2	1:C:679:PRO:HD3	1.57	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.26
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.26
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.26
1:C:799:LYS:CG	1:C:803:ASP:HB3	1.65	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.26
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.26
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.26
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.26
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:502:LYS:HG2	1:C:756:GLY:C	1.33	1.26
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.26
2:Y:101:THR:CB	3:Z:126:ILE:CG1	2.13	1.26
2:Y:101:THR:HG23	3:Z:124:GLU:O	1.21	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.26
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.26
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.26
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.26
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.26
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.26
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.26
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.26
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.26
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.69	1.26
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.26
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.26
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.26
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.26
1:C:124:ASN:OD1	1:C:673:PRO:CD	1.80	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.26
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.26
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.26
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.26
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.26
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.26
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.26
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.26
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.26
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.26
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.26
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.26
1:C:505:ILE:CG1	1:C:761:PHE:CD1	2.19	1.26
1:C:800:LYS:C	1:C:801:LEU:N	1.91	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.26
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.26
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
1:C:556:MET:SD	1:C:562:PHE:CE2	2.27	1.26
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.26
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.26
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:503:GLU:OE2	1:C:759:LYS:CD	1.74	1.26
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.26
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.26
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.26
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.26
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.26
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.26
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.26
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:13:LEU:HD11	1:C:131:ILE:CD1	1.62	1.26
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.26
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.17	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.26
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.26
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.26
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.26
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.26
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.26
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.26
1:C:503:GLU:HG3	1:C:761:PHE:CE1	1.67	1.26
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.26
1:C:552:TYR:CE1	1:C:556:MET:CE	2.16	1.26
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.26
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.26
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
1:C:499:GLU:HG3	1:C:710:ARG:NH1	1.51	1.26
1:C:496:GLU:OE1	1:C:710:ARG:HG3	1.35	1.26
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.26
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.26
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.26
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.26
1:C:499:GLU:O	1:C:754:ARG:C	1.78	1.26
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.26
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.26

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:502:LYS:O	1:C:757:THR:CA	1.82	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.26
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.26
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.26
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.26
1:C:703:CYS:O	1:C:708:PRO:HG3	1.28	1.26
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.26
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.26
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.26
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.26
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.26
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.26
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.26
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.26
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.87	1.26
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.26
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.26
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.26
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.26
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.26
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.26
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.26
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.26
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.26
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.26
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.26
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.26
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.64	1.26
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.26
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.26
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.26
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.26
2:Y:56:LEU:HD13	2:Y:56:LEU:O	1.23	1.25
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.25
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.25

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.25
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.25
1:C:505:ILE:HD11	1:C:754:ARG:NE	1.50	1.25
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.25
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.25
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.25
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.25
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.25
1:C:500:TYR:CE1	1:C:707:PHE:O	1.67	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.25
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.25
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.25
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.25
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.25
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.25
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.25
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.25
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.25
1:C:505:ILE:CG1	1:C:761:PHE:CB	1.94	1.25
1:C:505:ILE:CD1	1:C:761:PHE:CB	2.14	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.25
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.87	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
2:Y:100:GLU:HB3	3:Z:128:LEU:CA	1.50	1.25
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.25
1:C:146:THR:HG23	1:C:767:LEU:O	1.17	1.25
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.17	1.25
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.25
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.25
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.25
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.25
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.25
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.25
1:C:163:MET:CG	1:C:170:GLN:HG2	1.63	1.25

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.25
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.25
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.35	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:506:ALA:HB3	1:C:753:TYR:O	1.26	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.25
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.25
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.25
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.25
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:167:ARG:CG	1:C:722:ILE:CD1	1.77	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
1:C:796:LYS:HE2	2:Y:98:GLU:CG	1.64	1.25
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.25
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.25
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.25
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.25
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.25
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.25
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.25
1:C:504:GLY:O	1:C:755:LEU:HB2	1.30	1.25
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.25
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.25
1:C:438:LEU:C	1:C:438:LEU:HD23	1.59	1.25
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.25
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.25
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.25
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.25
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.25
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.25
1:C:508:GLU:CG	1:C:751:ALA:CB	2.14	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.25
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.25
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.64	1.25
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.25
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.25
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.25
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.25

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.25
1:C:500:TYR:HE1	1:C:707:PHE:O	1.16	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.25
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.25
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.25
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.25
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.62	1.25
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.25
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.25
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.25
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.25
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.25
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.25
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.25
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.25
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.25
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.25
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.25
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.69	1.25
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.25
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.50	1.25
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.25
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.25
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.25
1:C:193:LEU:HD23	1:C:193:LEU:O	1.12	1.25
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.25
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.25
1:C:503:GLU:OE2	1:C:759:LYS:HB2	1.25	1.25
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.25
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.25
1:C:793:LEU:C	1:C:793:LEU:HD23	1.61	1.25
1:C:494:ILE:C	1:C:754:ARG:NE	1.88	1.25
1:C:501:LYS:CE	1:C:743:LEU:HD11	1.64	1.25

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.25
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.25
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.25
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.25
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.25
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.25
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.25
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.65	1.25
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.25
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.25
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.25
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.25
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.25
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.25
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.25
1:C:773:MET:O	1:C:776:GLU:HB2	1.35	1.25
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.25
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.25
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.25
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.25
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.25
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.25
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.25
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
1:C:728:ILE:CD1	3:Z:84:ALA:HB2	1.64	1.25
1:C:793:LEU:C	1:C:793:LEU:HD23	1.61	1.25
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.17	1.25
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.25
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.25
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.25
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.25
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.25
1:C:243:PHE:HE2	1:C:245:LYS:CG	1.46	1.25
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.62	1.25
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.25
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.25
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.25
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.25

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:462:ALA:C	1:C:463:GLY:N	1.92	1.25
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.25
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.25
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.25
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.25
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.25
3:Z:117:LEU:O	3:Z:117:LEU:HD13	1.22	1.25
1:C:503:GLU:CB	1:C:761:PHE:HE1	1.48	1.25
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.25
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.25
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.25
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.25
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.25
1:C:508:GLU:CG	1:C:751:ALA:CA	2.12	1.25
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.25
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.25
1:C:495:LEU:O	1:C:710:ARG:NH1	1.63	1.25
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.25
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.25
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.25
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.25
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.25
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.25
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.25
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.25
1:C:800:LYS:C	1:C:801:LEU:N	1.94	1.25
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.25
1:C:338:LEU:HB3	1:C:340:PHE:CE2	1.69	1.25
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.25
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.25
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.25

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.25
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.25
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.25
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.25
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.25
1:C:772:GLU:OE1	1:C:776:GLU:CG	1.83	1.25
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.25
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.25
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.25
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.25
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.25
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.25
1:C:503:GLU:HA	1:C:711:LEU:O	1.35	1.25
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.25
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.25
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.25
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.25
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.25
1:C:505:ILE:CG1	1:C:754:ARG:CB	2.06	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.25
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.25
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.25
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
1:C:793:LEU:C	1:C:793:LEU:HD23	1.61	1.25
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.25
1:C:508:GLU:CG	1:C:751:ALA:HB1	1.64	1.25
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.25
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
1:C:712:ILE:HD11	1:C:715:GLU:CG	1.63	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.25
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.25
2:Y:99:GLN:O	3:Z:127:LYS:HE3	1.11	1.25
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.25
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.25
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.25

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:473:GLU:HG2	1:C:597:LYS:NZ	1.48	1.25
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.25
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.25
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.25
1:C:503:GLU:O	1:C:756:GLY:C	1.77	1.25
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.25
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.25
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.25
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.25
1:C:799:LYS:O	1:C:803:ASP:N	1.68	1.25
1:C:32:LYS:HE3	1:C:47:GLU:CG	1.65	1.25
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.25
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.25
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.25
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.25
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.25
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.25
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.25
1:C:801:LEU:CD1	3:Z:21:TRP:CE3	2.20	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.25
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
1:C:164:VAL:CB	1:C:778:LEU:HD12	1.67	1.25
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.25
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.25
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.25
1:C:503:GLU:OE1	1:C:759:LYS:HD2	1.30	1.25
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.25
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.25
1:C:725:PRO:HG2	3:Z:85:ASP:OD1	1.27	1.25
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.25
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.25
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.25
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.25
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.25
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.25
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.25
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.25

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.25
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.25
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.25
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.25
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.25
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.25
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.25
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.25
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.25
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.25
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.25
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.25
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.25
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.25
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.35	1.25
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.25
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.25
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.25
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.25
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.25
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.25
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.67	1.25
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.25
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.25
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.25
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.25
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.25
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.25
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.25
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.25
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.25
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.25
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.25
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.24
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:126:TYR:CD2	1:C:679:PRO:CG	2.18	1.24
1:C:793:LEU:C	1:C:793:LEU:HD23	1.62	1.24
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.24

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.24
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.24
1:C:496:GLU:O	1:C:761:PHE:CE2	1.89	1.24
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.24
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.24
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.24
1:C:723:LEU:CA	1:C:777:ARG:CZ	2.14	1.24
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.24
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.24
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.24
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.24
1:C:705:LYS:O	1:C:706:GLY:O	1.54	1.24
1:C:148:ILE:CG2	3:Z:95:ARG:HD2	1.67	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.24
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.24
1:C:285:PHE:CE1	1:C:356:LEU:HG	1.69	1.24
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:507:TRP:HZ3	1:C:706:GLY:O	1.14	1.24
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:800:LYS:CE	1:C:804:GLN:HA	0.83	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.24
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.24

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.24
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.24
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.24
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.24
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.24
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.35	1.24
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.24
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.24
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.24
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.24
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.24
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.24
1:C:167:ARG:HG3	1:C:722:ILE:CD1	0.82	1.24
1:C:256:LYS:CD	3:Z:108:HIS:C	2.06	1.24
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.24
1:C:500:TYR:C	1:C:762:PHE:H	1.43	1.24
1:C:501:LYS:NZ	1:C:770:LEU:HD11	1.50	1.24
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.24
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.24
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.24
3:Z:96:GLU:OE2	3:Z:100:PHE:CE1	1.88	1.24
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:722:ILE:O	1:C:777:ARG:HD3	1.32	1.24
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.24
2:Y:132:ALA:HB1	2:Y:139:PHE:CE1	1.69	1.24
1:C:804:GLN:OE1	3:Z:21:TRP:HH2	0.91	1.24
1:C:805:ARG:HD2	3:Z:20:PHE:CE2	1.71	1.24
1:C:793:LEU:C	1:C:793:LEU:HD23	1.61	1.24

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.24
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.24
1:C:163:MET:HE3	1:C:454:TYR:CE2	1.69	1.24
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.24
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.24
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.35	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.24
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.24
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.24
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.24
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.24
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.24
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.24
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.24
1:C:503:GLU:OE2	1:C:759:LYS:HB2	1.10	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.24

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.24
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.24
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.24
1:C:793:LEU:HD23	1:C:793:LEU:O	1.32	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.24
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.24
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.24
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.70	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.24
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:502:LYS:CG	1:C:713:TYR:CZ	2.14	1.24

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.24
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:587:VAL:HG23	1:C:589:TYR:CE2	1.70	1.24
1:C:508:GLU:CG	1:C:751:ALA:HB3	1.52	1.24
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.24
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.35	1.24
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.24
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.24
1:C:144:ARG:NH2	1:C:773:MET:HB2	1.53	1.24
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.24
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.24
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.24
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.24
1:C:438:LEU:C	1:C:438:LEU:HD23	1.59	1.24
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.24
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.24
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.24
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.35	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.24
1:C:505:ILE:CG1	1:C:766:VAL:HG22	1.65	1.24
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.24
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.24
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.24
1:C:119:PHE:CD2	1:C:667:PHE:HB3	1.69	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:793:LEU:C	1:C:793:LEU:HD23	1.61	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:504:GLY:HA3	1:C:711:LEU:C	1.40	1.24

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:506:ALA:H	1:C:709:SER:CB	1.49	1.24
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.24
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.24
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.24
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.24
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.24
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.24
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.24
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.24
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.24
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.24
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.24
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.24
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.24
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.24
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:793:LEU:HD23	1:C:793:LEU:C	1.62	1.24
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.35	1.24
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.24
2:Y:35:VAL:HG22	2:Y:67:LEU:CB	1.64	1.24
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.24
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.24

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:438:LEU:C	1:C:438:LEU:HD23	1.59	1.24
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.24
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.24
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.24
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.24
1:C:793:LEU:C	1:C:793:LEU:HD23	1.61	1.24
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.24
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.24
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.24
1:C:798:TYR:O	1:C:802:GLN:CG	1.85	1.24
1:C:146:THR:CG2	1:C:768:GLY:HA3	1.66	1.24
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.24
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.24
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.24
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.24
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.24
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.24
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.24
1:C:503:GLU:O	1:C:711:LEU:HD12	1.06	1.24
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.24
1:C:773:MET:O	1:C:776:GLU:HB2	1.34	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.24
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:709:SER:C	1:C:710:ARG:N	1.94	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:509:PHE:CB	1:C:750:PRO:O	1.86	1.24
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.24
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.24
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.24
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.24
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.24
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.24
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.24
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.24
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.24
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.24
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.24
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.24
1:C:508:GLU:CD	1:C:751:ALA:CB	1.98	1.24
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.24
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.24
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.24
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.24
1:C:144:ARG:CG	1:C:774:ARG:HB2	1.68	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.24
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.24

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.24
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.24
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.24
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.24
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.24
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.24
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.24
1:C:146:THR:CG2	1:C:768:GLY:CA	2.15	1.24
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.24
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.24
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.24
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.24
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.24
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.24
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.24
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.24
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.24
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.23
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.23
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.23
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.23
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.23
1:C:793:LEU:HD23	1:C:793:LEU:O	1.32	1.23
3:Z:98:GLN:O	3:Z:98:GLN:CG	1.86	1.23
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.23
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.23
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.23
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.23
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.23
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.23
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.23
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.23
3:Z:98:GLN:O	3:Z:98:GLN:CG	1.86	1.23
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.23
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.23
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.23
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.23
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.23
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.23
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.23
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.23
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.23
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.23
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.23
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.23
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.23
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.23
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.23
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.23
1:C:161:GLN:CD	1:C:719:ARG:HD3	1.63	1.23
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.23
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.23
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.23
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.23
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.23
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.23
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.23
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.23
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.23
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.23
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.23
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.23
1:C:335:PHE:CZ	1:C:340:PHE:CB	2.19	1.23
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.23
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.23
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.23
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.23
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.23
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.23
2:Y:100:GLU:CA	3:Z:129:THR:H	1.43	1.23
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.23
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.23
1:C:501:LYS:HB2	1:C:754:ARG:O	1.38	1.23
1:C:508:GLU:HG2	1:C:751:ALA:CA	1.67	1.23
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.23
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.23
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.23
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.23
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.23
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.23
1:C:500:TYR:CE2	1:C:707:PHE:CE1	2.26	1.23
1:C:507:TRP:CD1	1:C:763:LYS:HB2	1.72	1.23
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.23
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.23
1:C:793:LEU:HD23	1:C:793:LEU:O	1.32	1.23
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.23
1:C:508:GLU:OE1	1:C:752:GLU:CD	1.81	1.23
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.23
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.23
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.23
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.23
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.23
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.23
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.23
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.23
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.23
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.65	1.23
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.23
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.23
1:C:504:GLY:O	1:C:743:LEU:HD11	1.12	1.23
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.23
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.23
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.23
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.23
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.23
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.23
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.23
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.23
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.35	1.23
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.23
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.23
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:502:LYS:HA	1:C:713:TYR:CZ	1.73	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:503:GLU:OE2	1:C:759:LYS:HB2	1.34	1.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.23
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.23
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.23
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.23
1:C:503:GLU:OE2	1:C:759:LYS:HB2	1.39	1.23
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.23
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.23
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.23
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.23
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.23
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.23
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.23
1:C:800:LYS:C	1:C:801:LEU:N	1.95	1.23
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.23
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.23
2:Y:108:TYR:HE1	3:Z:123:ASP:OD2	0.93	1.23
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.23
1:C:507:TRP:CZ3	1:C:707:PHE:CA	1.97	1.23
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.23
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.23
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.23
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.23
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.23
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.23
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.23
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.23
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.23
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.23
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.23
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.23
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.23
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.23
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.23
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.23
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.23
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.23
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.23
1:C:800:LYS:C	1:C:802:GLN:N	1.96	1.23
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.23
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.23
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.23
3:Z:42:ILE:HD12	3:Z:44:PRO:CD	1.47	1.23
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.23
1:C:502:LYS:CG	1:C:756:GLY:C	2.04	1.23
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.23
1:C:193:LEU:O	1:C:193:LEU:HD23	1.12	1.23
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.23
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.23
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.23
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.23
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.23
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.23
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.23
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.23
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.23
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.23
1:C:500:TYR:CE1	1:C:707:PHE:CD1	2.25	1.23
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.23
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.23
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.23
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.23
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.23
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.23
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.23
3:Z:98:GLN:O	3:Z:98:GLN:CG	1.86	1.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.23
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.23
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.23
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.23
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.23
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.23
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.23
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.23
1:C:503:GLU:CG	1:C:711:LEU:H	1.49	1.23
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.23
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.23
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.23
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.23
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.23
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.23
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.23
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.23
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.23
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.23
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.23
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.23
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.23
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.23
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.23
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.23
1:C:508:GLU:CG	1:C:751:ALA:HB1	1.51	1.23
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.23
1:C:800:LYS:O	1:C:801:LEU:C	1.82	1.23
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.23
1:C:500:TYR:HB3	1:C:754:ARG:CG	1.53	1.23
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.23
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.23
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.23
1:C:256:LYS:CA	3:Z:95:ARG:HH12	1.50	1.23
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.23
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.23
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.23
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.23
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.23
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.23
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.23
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.23
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.23
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.23
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.23
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.23
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.23
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.23
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.23
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.23
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.23
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.23
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.23
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.23
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.23
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.23
1:C:800:LYS:HG3	1:C:803:ASP:CG	1.60	1.23
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:507:TRP:CZ3	1:C:706:GLY:C	2.17	1.23
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.23
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.23
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.23
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.23
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:793:LEU:C	1:C:793:LEU:HD23	1.61	1.23
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.23
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.23
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.23
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.23
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.23
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.23
1:C:725:PRO:CG	3:Z:85:ASP:OD1	1.87	1.23
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.23
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.23
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.23
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.23
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.23
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.23
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.23
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.23
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.23
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.23
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.23
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.23
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.23
1:C:438:LEU:O	1:C:438:LEU:HD23	1.39	1.23
1:C:472:PHE:HA	1:C:594:TRP:CZ3	1.71	1.23
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.23
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.23
1:C:166:ASP:OD1	1:C:719:ARG:NH1	1.68	1.23
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.23
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.23
1:C:438:LEU:O	1:C:438:LEU:HD23	1.39	1.23
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.23
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.23
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.23
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.23
1:C:503:GLU:HG3	1:C:761:PHE:CZ	1.71	1.23
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.23
2:Y:138:LYS:NZ	3:Z:122:VAL:HG22	1.52	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.23
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.23
1:C:799:LYS:NZ	1:C:806:ILE:CG1	2.01	1.23
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.23
1:C:793:LEU:HD23	1:C:793:LEU:O	1.32	1.23
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.23
1:C:507:TRP:CA	1:C:751:ALA:O	1.87	1.23
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.23
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.23
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.23
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.23

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.35	1.23
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.23
2:Y:101:THR:OG1	3:Z:124:GLU:O	1.56	1.23
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.23
1:C:567:LYS:CG	1:C:568:PRO:HD2	1.66	1.23
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.23
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.22
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.22
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.22
1:C:246:PHE:HD1	1:C:459:LEU:CD2	1.49	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
1:C:509:PHE:HB2	1:C:750:PRO:O	1.38	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.22
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.22
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.22
3:Z:98:GLN:O	3:Z:98:GLN:CG	1.86	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
1:C:503:GLU:CD	1:C:711:LEU:N	1.95	1.22
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.22
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.22
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.22
1:C:249:ILE:CD1	1:C:251:PHE:CE2	2.20	1.22
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.22
2:Y:100:GLU:HB2	3:Z:128:LEU:N	1.53	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.22
1:C:138:ALA:N	3:Z:108:HIS:NE2	1.87	1.22
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.22
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.35	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.70	1.22
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.22
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.22
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.22
3:Z:44:PRO:CG	3:Z:75:LEU:HD11	1.66	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:503:GLU:OE2	1:C:759:LYS:CB	1.84	1.22
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.22
1:C:505:ILE:O	1:C:762:PHE:CD2	1.91	1.22
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.22
1:C:256:LYS:HB2	3:Z:95:ARG:NH1	1.55	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.22
1:C:500:TYR:CZ	1:C:707:PHE:CD1	2.26	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.22
3:Z:98:GLN:O	3:Z:98:GLN:CG	1.86	1.22
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.22
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.22
3:Z:42:ILE:CD1	3:Z:75:LEU:HD11	1.66	1.22
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.69	1.22
1:C:793:LEU:HD23	1:C:793:LEU:O	1.32	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.22
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.22
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.22
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.22
1:C:502:LYS:NZ	1:C:757:THR:CG2	2.01	1.22
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.22
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.22
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.22
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.22
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.22
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.69	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.22
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.22
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.22
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.22
1:C:793:LEU:HD23	1:C:793:LEU:O	1.32	1.22
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.22
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.22
1:C:498:GLU:OE2	1:C:755:LEU:CD1	1.86	1.22
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.28	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:256:LYS:HB2	3:Z:95:ARG:CZ	1.67	1.22
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.22
1:C:144:ARG:HH22	1:C:719:ARG:CD	1.51	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.22
3:Z:17:LEU:HD23	3:Z:17:LEU:O	1.28	1.22
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.22
1:C:800:LYS:HA	1:C:803:ASP:OD1	1.36	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.22
1:C:500:TYR:CD2	1:C:761:PHE:HB3	1.74	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.22
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.22
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.22
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.22
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.22
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.22
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.22
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.22
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.22
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.22
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.22
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.22
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.22
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.22
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.22
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.22
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.22
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.22
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.22
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.69	1.22
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.22
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.22
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.22
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.22
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:229:TYR:O	1:C:431:TYR:OH	1.53	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.22
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:503:GLU:OE1	1:C:711:LEU:C	1.80	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.22
1:C:793:LEU:HD23	1:C:793:LEU:O	1.32	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.22
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.22
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.22
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.22
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.22
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.22
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.22
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.22
1:C:800:LYS:CD	2:Y:95:MET:HG2	1.66	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.22
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.22
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.22
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.22
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.22
2:Y:85:SER:OG	2:Y:88:THR:CG2	1.85	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.22
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.22
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.22
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.22
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.22
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.22
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.22
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.22
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.22
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
1:C:709:SER:CA	1:C:710:ARG:N	2.00	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:799:LYS:O	1:C:803:ASP:N	1.71	1.22
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.22
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:438:LEU:O	1:C:438:LEU:HD23	1.39	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.22
1:C:800:LYS:HA	1:C:804:GLN:CB	1.70	1.22
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.22
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.22
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.22
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.22
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.22
2:Y:98:GLU:CB	3:Z:128:LEU:HD21	1.70	1.22
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.35	1.22
1:C:438:LEU:HD23	1:C:438:LEU:C	1.58	1.22
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.22
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.22
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:438:LEU:O	1:C:438:LEU:HD23	1.39	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.22
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.22
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.22
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.22
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:438:LEU:O	1:C:438:LEU:HD23	1.39	1.22
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.22
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.22
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.22
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.22
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.22
1:C:793:LEU:C	1:C:793:LEU:HD23	1.61	1.22
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.22
1:C:438:LEU:C	1:C:438:LEU:HD23	1.58	1.22
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.22
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.22
1:C:438:LEU:O	1:C:438:LEU:HD23	1.39	1.22
1:C:801:LEU:HD13	3:Z:21:TRP:CE3	1.75	1.22
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.22
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.22
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.22
1:C:382:LYS:O	1:C:386:LEU:HD13	1.30	1.22
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.22
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.69	1.22
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.22
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.22
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.22
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.22
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.62	1.22
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.22
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.22
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.22
1:C:507:TRP:CZ3	1:C:707:PHE:CD1	2.28	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.22
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.22
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.22
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.22
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.22
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.22
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.22
1:C:793:LEU:HD23	1:C:793:LEU:O	1.32	1.22
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.22
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.22
1:C:500:TYR:CE1	1:C:707:PHE:HB2	1.73	1.22
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.22
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.22
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.22
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.22
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.22
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.22
1:C:500:TYR:CB	1:C:754:ARG:CG	2.02	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.22
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.22
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.22
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.22
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.22
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.22
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.22
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.22
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.22	1.22
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.22
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
1:C:500:TYR:CE1	1:C:707:PHE:CB	2.22	1.22
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.22
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.22
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.22
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.22
2:Y:100:GLU:N	3:Z:127:LYS:HE3	1.54	1.22
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.22
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.22
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.22
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.22
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.22
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.22
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.22
1:C:350:LYS:CE	1:C:386:LEU:HA	1.70	1.22
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.22
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.22
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.22
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.22
1:C:569:THR:O	1:C:570:ARG:HG3	1.40	1.22
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.22
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.22
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.22

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.22
1:C:507:TRP:CA	1:C:763:LYS:HB2	1.65	1.22
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.22
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.22
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.21
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.80	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.21
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.21
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.21
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:552:TYR:HE1	1:C:556:MET:CE	1.48	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.21
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.50	1.21
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.21
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.21
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.80	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.80	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.21
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.21
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.21
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.50	1.21
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.21
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.21
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.80	1.21
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.50	1.21
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.21
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.21
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.80	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.69	1.21
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.21
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.21
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.21
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.50	1.21
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.21
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.21
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.80	1.21
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.21
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.21
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.21
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.69	1.21
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.50	1.21
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.21
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.21
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.80	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.21
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.21
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.21
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.21
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.21
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.50	1.21
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.21
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.21
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.80	1.21
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.21
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.21
1:C:350:LYS:CE	1:C:386:LEU:HA	1.70	1.21
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.21
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.21
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.21
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.21
1:C:705:LYS:O	1:C:706:GLY:O	1.55	1.21
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.21
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.21
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.21
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.21
1:C:722:ILE:O	1:C:777:ARG:NE	1.70	1.21
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.21
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.21
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.21
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.21
2:Y:86:GLU:HA	2:Y:89:ILE:CD1	1.68	1.21
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.21
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.21
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.21
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.21
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.21
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.21
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.21
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.21
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.21
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.21
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.21
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.21
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.21
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.21
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.21
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.21
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.21
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.21
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.21
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.21
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.50	1.21
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.21
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.21
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.21
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.21
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.21
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.21
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.21
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.21
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.21
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.21
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.21
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.21
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.21
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.21
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.21
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.21
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.21
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.21
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.21
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.21
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.21
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.21
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.21
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.21
1:C:499:GLU:CB	1:C:761:PHE:CE2	2.21	1.21
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.21
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.21
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.21
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.21
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.21
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.21
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.21
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.21
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.21
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.21
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.21
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.21
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.21
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.21
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.21
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.21
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.21
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.21
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.21
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.21
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.21
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.21
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.21
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.21
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.21
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.21
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.21
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.21
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:350:LYS:CE	1:C:386:LEU:HA	1.70	1.21
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.21
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.21
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.21
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.21
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:350:LYS:CE	1:C:386:LEU:HA	1.70	1.21
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.21
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.21
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.21
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.21
1:C:504:GLY:CA	1:C:760:VAL:CG2	2.05	1.21
1:C:507:TRP:CZ3	1:C:707:PHE:N	2.09	1.21
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.21
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:350:LYS:CE	1:C:386:LEU:HA	1.70	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.21
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.21
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.21
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:350:LYS:CE	1:C:386:LEU:HA	1.70	1.21
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.21
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.21
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.21
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.21
1:C:335:PHE:CD2	1:C:345:LYS:CD	2.21	1.21
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:350:LYS:CE	1:C:386:LEU:HA	1.70	1.21
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.21
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.21
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.21
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:350:LYS:CE	1:C:386:LEU:HA	1.70	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:350:LYS:CE	1:C:386:LEU:HA	1.70	1.21
1:C:499:GLU:HG2	1:C:761:PHE:CZ	1.73	1.21
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.21
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.21
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.21
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.21
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.21
1:C:499:GLU:HG3	1:C:710:ARG:CD	1.69	1.21
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.21
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.21
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.21
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.21
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.21
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.21
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.21
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.21
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.21
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.21
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.21
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.21
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.21
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.21
1:C:579:GLU:OE1	1:C:579:GLU:O	1.59	1.21
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.21
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.21
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.21
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.21
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.21
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.21
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.21
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.21
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.21
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.21
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.21
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.21
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.21
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.21
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.21
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:350:LYS:CE	1:C:386:LEU:HA	1.70	1.21
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.21
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.21
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.21
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.21
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.21
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.21
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.21
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.21
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.21
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.21
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.21
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.21
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.21
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.21
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.21
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.21
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.21
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.21
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.22	1.21
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.21
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.22	1.21
2:Y:101:THR:HG23	3:Z:124:GLU:C	1.63	1.21
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.21
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.21
1:C:505:ILE:HD11	1:C:754:ARG:NE	1.56	1.21
1:C:793:LEU:O	1:C:793:LEU:HD23	1.32	1.21
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.21
1:C:113:TYR:OH	1:C:115:TYR:CE2	1.86	1.21
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.21
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.21
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.21
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.21
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.21
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.21
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.21
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.21
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.21
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.21
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.22	1.21
1:C:500:TYR:O	1:C:754:ARG:O	1.56	1.21
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.21
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.21
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.21
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.21
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.21
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.21
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.21
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.21
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.21
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.21
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.21
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.21
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.21
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.21
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.21
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.21
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.21
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.21
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.21
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.21
2:Y:101:THR:CG2	3:Z:125:ILE:HG12	1.64	1.21
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.22	1.21
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.21
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.21
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.21
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.21
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.21
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.21
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.21
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.21
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.21
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.21
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.21
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.50	1.21
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.21
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.69	1.21
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.21
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.21
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.21
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.21
1:C:499:GLU:CD	1:C:759:LYS:HB3	1.57	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.21
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.21
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.21
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.21
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.21
1:C:438:LEU:HD23	1:C:438:LEU:C	1.58	1.21
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.21
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.21
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.21
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.21
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.21
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.21
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.21
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.21
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.21
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.21
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.21
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.21
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.21
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.21
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.21
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.21
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.21
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.21
1:C:350:LYS:CE	1:C:386:LEU:HA	1.70	1.21
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.21
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.21
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.21
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.21
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.21
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.21
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.21

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.21
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.21
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.21
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.21
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.21
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.21
3:Z:98:GLN:O	3:Z:98:GLN:CG	1.86	1.21
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.20
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.20
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.47	1.20
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.20
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.20
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.20
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.20
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.20
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.71	1.20
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.20
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.20
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.20
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.20
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.20
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.20
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.20
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.20
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.20
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.20
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.20
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.20
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.20
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.20
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.20
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.20
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.20
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.20
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.20
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.20
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.20
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.20
1:C:495:LEU:C	1:C:710:ARG:NH1	1.71	1.20
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.20
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.20
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.20
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.20
1:C:705:LYS:C	1:C:706:GLY:O	1.84	1.20
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.20
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.20
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.20
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.20
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.20
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.20
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.20
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.20
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.20
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.20
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.20
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.20
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:CG1	2:Y:56:LEU:HD23	1.69	1.20
1:C:335:PHE:CG	1:C:345:LYS:CD	2.24	1.20
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.20
1:C:704:ARG:CG	1:C:764:ALA:HB3	1.56	1.20
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.20
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.20
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.20
1:C:505:ILE:HD11	1:C:753:TYR:CA	1.54	1.20
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.20
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.20
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.20
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.20
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.20
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.20
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.20
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.20
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.20
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.20
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.20
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.20
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.20
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.20
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.20
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.20
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.20
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.20
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.20
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.71	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:793:LEU:HD23	1:C:793:LEU:O	1.32	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
1:C:319:VAL:CG2	1:C:322:ILE:HB	1.68	1.20
1:C:335:PHE:CG	1:C:345:LYS:CD	2.24	1.20
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.20
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.20
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.20
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.20
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.20
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.20
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.20
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.20
1:C:365:GLN:HB3	1:C:416:MET:SD	1.80	1.20
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.20
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.20
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.20
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.20
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.20
1:C:494:ILE:O	1:C:754:ARG:HA	1.06	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.20
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.20
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.20
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.20
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.20
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.20
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.20
1:C:800:LYS:NZ	2:Y:95:MET:O	1.74	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.20
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.20
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.20
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.20
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	1.56	1.20
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.20
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.20
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.20
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.20
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:350:LYS:CE	1:C:386:LEU:HA	1.69	1.20
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.20
1:C:505:ILE:CD1	1:C:754:ARG:CB	2.15	1.20
1:C:507:TRP:CB	1:C:763:LYS:HB2	1.69	1.20
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.20
2:Y:105:ASN:CG	3:Z:120:GLU:H	1.41	1.20
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.20
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.20
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.20
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.20
1:C:504:GLY:N	1:C:755:LEU:O	1.74	1.20
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.20
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.20
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.20
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.20
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.20
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.20
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.20
1:C:801:LEU:HD21	3:Z:21:TRP:CZ3	1.77	1.20
1:C:335:PHE:CG	1:C:345:LYS:CD	2.24	1.20
1:C:249:ILE:HD11	1:C:251:PHE:CZ	1.75	1.20
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.20
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.20
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.76	1.20
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.20
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.20
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.20
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.20
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.20
2:Y:108:TYR:HE1	3:Z:123:ASP:OD2	1.20	1.20
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.20
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.20
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.20
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.20
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.20
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.20
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.20
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.20
1:C:800:LYS:HA	1:C:803:ASP:OD1	1.41	1.20
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.20
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.20
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.20
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.20
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.20
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.20
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.20
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.20
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.20
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.20
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.20
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.20
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.20
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.20
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.20
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.20
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.20
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.20
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.20
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.20
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.20
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.20
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.20
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.20
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.20
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.20
1:C:311:PHE:CE1	1:C:312:ILE:CB	2.23	1.20
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.20
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.20
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.20
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.77	1.20
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.20
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.20
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.76	1.20
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.20
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.20
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.20
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.20
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.20
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.20
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.20
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.20
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.20
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.20
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.20
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.71	1.20
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.20
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.20
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.20
1:C:501:LYS:HE2	1:C:743:LEU:CD1	1.69	1.20
1:C:509:PHE:CB	1:C:752:GLU:HG2	1.44	1.20
1:C:800:LYS:O	1:C:803:ASP:OD1	1.57	1.20
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.20
1:C:497:GLN:O	1:C:754:ARG:HB2	1.34	1.20
1:C:508:GLU:CG	1:C:752:GLU:HG2	1.61	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.20
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.20
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.20
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.20
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.77	1.20
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.20
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.20
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.20
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.20
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.20
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.20
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.20
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.20
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.71	1.20
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.20
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.20
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.20
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.20
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.20
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.20
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.20
1:C:505:ILE:CG1	1:C:754:ARG:CB	2.19	1.20
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.20
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.20
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.20
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.20
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.20
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.20
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.20
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.20
1:C:365:GLN:HB3	1:C:416:MET:SD	1.80	1.20
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.20
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:HD13	1:C:754:ARG:CB	1.51	1.20
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.20
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.20
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.20
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.20
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.20
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.20
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.20
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.20
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.20
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.20
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.20
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.20
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.20
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.20
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.20
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.20
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.20
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.20
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.20
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.20
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.20
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.20
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.20
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.20
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.20
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.20
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.20
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.20
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.20
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.20
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.20
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.20
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.20
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.20
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.20
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.20
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.20
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.20
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.20
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.62	1.20
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.20
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.20
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.20
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.20
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.20
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.20
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.20
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.20
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.20
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.20
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.20
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.20
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.20
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.20
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.20
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.20
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.20
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.20
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.20
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.20
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.20
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.20
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.20
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.20
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.20
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.20
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.20
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.20
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.20
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.20
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.20
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.20
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.20
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.20
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.20
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.20
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.20
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.20
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.20
1:C:140:TYR:CD1	1:C:140:TYR:C	2.16	1.20
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.20
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.20
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.20
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.20
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.20
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.20
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.20
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.20
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.20
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.20
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.20
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.73	1.20
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.20
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.20
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.20
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.20
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.20
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.20
1:C:335:PHE:CG	1:C:345:LYS:CD	2.24	1.20
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.20
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.77	1.20
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.20
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.20
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.20
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.20

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.20
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.20
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.20
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.20
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.20
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.20
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.20
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.20
1:C:497:GLN:O	1:C:754:ARG:HB2	1.40	1.20
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.19
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.19
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.19
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.19
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.19
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.19
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.19
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.19
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.19
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.19
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.19
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.19
1:C:438:LEU:O	1:C:438:LEU:HD23	1.39	1.19
1:C:505:ILE:CD1	1:C:754:ARG:HE	1.56	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.19
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.19
1:C:503:GLU:CD	1:C:759:LYS:HD3	1.68	1.19
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.19
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.19
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.19
1:C:438:LEU:O	1:C:438:LEU:HD23	1.39	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.19
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.19
1:C:438:LEU:O	1:C:438:LEU:HD23	1.39	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.19
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.19
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.19
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.19
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.19
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.19
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.19
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.19
1:C:773:MET:HA	1:C:776:GLU:CG	1.72	1.19
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.19
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.19
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.19
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.19
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.19
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.19
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.19
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.19
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.19
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.77	1.19
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.19
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.19
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.19
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.19
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.19
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.19
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.19
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.19
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:36:VAL:CG2	1:C:67:ARG:HH21	1.52	1.19
1:C:472:PHE:CD1	1:C:594:TRP:CZ2	2.28	1.19
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.19
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.19
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.19
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.19
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.19
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.19
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.73	1.19
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.19
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.19
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.19
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.19
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.19
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.19
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.19
1:C:165:THR:CB	1:C:715:GLU:OE2	1.90	1.19
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.19
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.19
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.19
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.19
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.19
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.19
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.19
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.19
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.19
1:C:500:TYR:CD1	1:C:709:SER:N	2.02	1.19
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.19
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.19
2:Y:107:GLU:HG3	3:Z:120:GLU:CD	1.65	1.19
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.19
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.19
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.19
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.19
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.19
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.19
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.19
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.19
1:C:335:PHE:CG	1:C:345:LYS:CD	2.24	1.19
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.19
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.19
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.19
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.19
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.19
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.19
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.19
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.19
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.19
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.19
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.19
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.19
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.19
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.19
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.19
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.19
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.19
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.19
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.19
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.19
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.19
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.19
1:C:113:TYR:CE2	1:C:115:TYR:CE1	2.27	1.19
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.19
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.19
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.19
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.19
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.19
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.19
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.19
1:C:697:LEU:HD23	1:C:697:LEU:C	1.59	1.19
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.19
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.19
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.19
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.19
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.19
1:C:500:TYR:C	1:C:761:PHE:HD1	1.49	1.19
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.19
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.19
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.01	1.19
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.19
1:C:126:TYR:HD2	1:C:679:PRO:CG	1.49	1.19
1:C:365:GLN:HB3	1:C:416:MET:SD	1.81	1.19
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.19
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.19
1:C:799:LYS:O	1:C:803:ASP:N	1.75	1.19
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.19
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.19
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.19
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.19
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.71	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.19
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.19
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.19
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.69	1.19
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.19
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.19
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.71	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:494:ILE:HD11	1:C:755:LEU:CG	1.72	1.19
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.19
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.19
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.71	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.19
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.19
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.19
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.19
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.19
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.19
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.19
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.19
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.19
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.19
1:C:507:TRP:CE3	1:C:707:PHE:HE1	1.54	1.19
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.19
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.71	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.19
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.19
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.19
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.19
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.19
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.71	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:505:ILE:O	1:C:753:TYR:HB3	1.40	1.19
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.19
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.19
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.19
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.19
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.19
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.19
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.19
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.71	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.19
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.19
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.19
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.19
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.19
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.19
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.19
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:705:LYS:C	1:C:706:GLY:N	2.01	1.19
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.19
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.19
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.19
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.19
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.19
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.19
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.19
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.19
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.24	1.19
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.19
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
2:Y:32:ASP:CB	2:Y:34:PHE:CE1	2.23	1.19
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.19
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.19
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.73	1.19
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.19
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.19
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.19
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.19
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.19
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.19
1:C:503:GLU:HB2	1:C:761:PHE:CD1	1.77	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
2:Y:100:GLU:N	3:Z:127:LYS:CE	2.03	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.19
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.19
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.19
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.19
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.19
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:793:LEU:HD23	1:C:793:LEU:C	1.62	1.19
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.19
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
1:C:503:GLU:OE1	1:C:711:LEU:CA	1.81	1.19
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.19
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.01	1.19
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.19
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.19
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.19
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.19
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.19
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.19
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.19
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.19
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.19
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.19
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.19
1:C:438:LEU:HD23	1:C:438:LEU:C	1.58	1.19
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.19
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.01	1.19
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.19
1:C:256:LYS:HD3	3:Z:109:VAL:HA	1.22	1.19
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.76	1.19
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.19
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.19
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.19
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.19
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.19
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:HG3	1:C:286:TYR:CZ	1.75	1.19
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.19
1:C:438:LEU:HD23	1:C:438:LEU:C	1.58	1.19
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.01	1.19
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.19
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.19
1:C:438:LEU:HD23	1:C:438:LEU:C	1.58	1.19
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.19
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.19
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.01	1.19
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.19
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.19
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.19
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.19
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.01	1.19
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.19
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.19
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.19
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.01	1.19
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.19
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.01	1.19
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.19
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.19
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.19
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.19
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.19
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.19
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.71	1.19
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.19
2:Y:124:GLU:O	2:Y:128:THR:HG23	1.34	1.19
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.19
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.19
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.19
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.19
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.19
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.19
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.19
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.19
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.71	1.19
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.19
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.19
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.19
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.19
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.19
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.19
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.71	1.19
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.19
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.19
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.19
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.19
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.19
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.19
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.19
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.19
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.19
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.19
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.19
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.77	1.19
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.19
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.76	1.19
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.71	1.19
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.19
1:C:503:GLU:CB	1:C:759:LYS:O	1.90	1.19
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.19
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.19
1:C:147:GLU:HG3	1:C:771:GLU:OE2	1.37	1.19
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.19
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.19
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.19
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.19
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
1:C:664:HIS:CD2	1:C:711:LEU:CG	2.25	1.19
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.19
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.19
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.19
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.19
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.19
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.19
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.19
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.19
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.19
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.67	1.19
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.19
1:C:800:LYS:CA	1:C:803:ASP:OD1	1.84	1.19
1:C:832:LYS:HE3	2:Y:47:LEU:CB	1.70	1.19
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.19
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.19
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.19
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.19
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.19
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.19
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.19
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.19
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.19
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.19
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.19
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.19
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.19
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.19
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.19
1:C:81:LYS:HZ3	1:C:772:GLU:CG	1.50	1.19
1:C:335:PHE:CG	1:C:345:LYS:CD	2.23	1.19
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.19
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.19
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.19
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.19
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.19
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.19
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.19
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.19
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.19
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.19
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.19
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.19
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.19
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.19
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.19
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.19
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.19

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.19
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.19
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.19
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.19
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.19
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.19
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.19
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.19
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.19
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.19
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.19
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.19
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.19
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.19
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.19
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.19
1:C:587:VAL:CG2	1:C:589:TYR:CE2	2.24	1.19
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.19
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.19
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.19
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.19
1:C:499:GLU:HB2	1:C:710:ARG:HH12	1.02	1.19
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.19
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.19
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.19
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.19
1:C:505:ILE:HD11	1:C:754:ARG:HB3	1.22	1.19
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.19
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.19
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.19
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.19
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.19
1:C:498:GLU:O	1:C:760:VAL:CA	1.89	1.19
1:C:508:GLU:CG	1:C:751:ALA:HA	1.70	1.19
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.18
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.18
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.18
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.18
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.18
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.18
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.76	1.18
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.18
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.01	1.18
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.18
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.18
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.02	1.18
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.18
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.18
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.18
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.18
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.18
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.18
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.18
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.18
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.18
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.18
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.18
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.18
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.02	1.18
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.18
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.02	1.18
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.18
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.18
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.18
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.18
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.18
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.18
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.18
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.18
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.18
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.18
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.18
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.18
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.18
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.18
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.18
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.18
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.18
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.18
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.18
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.18
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.02	1.18
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.18
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.18
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.18
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.18
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.18
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.18
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.18
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.18
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.18
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.02	1.18
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.18
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.18
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.18
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.18
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.18
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.18
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.18
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.18
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.18
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.18
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.18
1:C:472:PHE:HD1	1:C:594:TRP:CZ2	1.57	1.18
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.02	1.18
1:C:484:LEU:HD23	1:C:484:LEU:C	1.62	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.18
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.18
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.18
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.18
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.41	1.18
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.18
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.18
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.18
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.18
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.18
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.18
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.18
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.18
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.18
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.18
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.18
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.18
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.18
2:Y:144:PHE:O	2:Y:148:ILE:HG23	1.36	1.18
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.18
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.18
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.18
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.18
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.18
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.18
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.18
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.18
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.18
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.18
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.18
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.18
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.18
2:Y:100:GLU:N	3:Z:125:ILE:HA	1.57	1.18
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.18
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.18
1:C:500:TYR:HA	1:C:709:SER:O	1.03	1.18
1:C:500:TYR:CE2	1:C:707:PHE:HB2	1.51	1.18
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.18
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.18
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:280:ARG:CG	1:C:286:TYR:CE1	2.24	1.18
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.18
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.18
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.18
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.18
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.18
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.66	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
1:C:507:TRP:CB	1:C:763:LYS:HB2	1.43	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.40	1.18
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.18
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.18
1:C:160:TYR:C	1:C:774:ARG:HH21	1.50	1.18
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.18
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.40	1.18
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.18
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.18
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.18
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.18
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.18
1:C:772:GLU:OE1	1:C:776:GLU:CD	1.85	1.18
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.18
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.18
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.18
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.18
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.18
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.18
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.74	1.18
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.18
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.18
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.18
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.18
1:C:503:GLU:HG2	1:C:754:ARG:O	1.27	1.18
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.18
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.18
1:C:507:TRP:HB3	1:C:754:ARG:CD	1.73	1.18
1:C:505:ILE:C	1:C:755:LEU:N	2.01	1.18
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.18
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.18
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.18
1:C:438:LEU:HD23	1:C:438:LEU:C	1.58	1.18
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.18
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.18
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.18
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.18
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.18
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.18
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.18
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.18
1:C:772:GLU:OE1	1:C:776:GLU:OE1	1.59	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.18
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.18
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.18
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.18
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.18
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.18
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.18
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.18
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.18
1:C:505:ILE:O	1:C:753:TYR:CB	1.76	1.18
1:C:508:GLU:HG2	1:C:751:ALA:CB	1.72	1.18
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.18
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.18
1:C:438:LEU:HD23	1:C:438:LEU:C	1.58	1.18
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.18
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.18
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.18
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.18
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.18
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.18
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.18
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.18
1:C:438:LEU:HD23	1:C:438:LEU:C	1.58	1.18
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.18
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.18
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.18
1:C:335:PHE:CE2	1:C:340:PHE:CB	2.24	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:HD1	1:C:141:ARG:N	1.38	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.18
1:C:503:GLU:O	1:C:757:THR:N	1.75	1.18
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.18
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.18
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.18
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.18
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.18
1:C:438:LEU:HD23	1:C:438:LEU:C	1.58	1.18
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.18
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.18
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.18
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.18
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.18
1:C:193:LEU:HD11	1:C:249:ILE:CD1	1.70	1.18
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.18
1:C:438:LEU:C	1:C:438:LEU:HD23	1.59	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.18
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:799:LYS:HB3	1:C:803:ASP:CB	1.74	1.18
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.18
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.25	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:507:TRP:CZ3	1:C:706:GLY:O	1.96	1.18
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.18
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.18
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.18
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.18
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.18
1:C:799:LYS:CG	1:C:803:ASP:HB3	1.73	1.18
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:504:GLY:O	1:C:743:LEU:CD1	1.92	1.18
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.18
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.18
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.18
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
1:C:505:ILE:CD1	1:C:751:ALA:HA	1.74	1.18
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.18
1:C:722:ILE:CB	1:C:777:ARG:CD	2.04	1.18
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.18
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
1:C:502:LYS:HD2	1:C:755:LEU:O	1.38	1.18
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.18
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.18
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.18
1:C:176:GLY:CA	1:C:670:CYS:SG	2.31	1.18
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.18
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.18
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.18
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.18
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.18
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.18
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.18
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.18
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.18
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.18
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.18
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.18
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.18
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.18
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.18
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.18
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.18
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.18
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.18
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.18
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.18
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.18
1:C:280:ARG:HD2	1:C:286:TYR:CD1	1.76	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.18
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.18
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.18
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.18
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.18
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.18
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.18
1:C:503:GLU:O	1:C:711:LEU:CD1	1.91	1.18
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.18
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.18
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.18
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.18
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.18
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.18
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.18
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.18
2:Y:108:TYR:OH	3:Z:124:GLU:CG	1.90	1.18
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.18
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.18
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:HD13	1:C:766:VAL:HG21	1.23	1.18
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.18
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.18
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.18
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.18
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.18
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.18
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.18
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.18
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.18
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.18
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.18
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.18
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.18
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.18
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.18
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.18
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.18
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.18
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.18
2:Y:138:LYS:HE2	3:Z:119:ASP:O	1.03	1.18
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.18
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.18
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.18
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.18
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.18
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.18
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.18
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.18
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.18
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.18
1:C:176:GLY:CA	1:C:670:CYS:SG	2.31	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.18
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.18
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.18
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.18
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.18
1:C:569:THR:O	1:C:570:ARG:HG3	1.40	1.18
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.18
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.18
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.18
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.42	1.18
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.62	1.18
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.18
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.18
1:C:504:GLY:O	1:C:767:LEU:CD2	1.92	1.18
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.18
1:C:296:LEU:O	1:C:299:VAL:HG22	1.38	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.18
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.18
1:C:505:ILE:O	1:C:753:TYR:HB2	1.42	1.18
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.01	1.18
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.18
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.43	1.18
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.01	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.18
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.18
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.18
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.43	1.18
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.01	1.18
1:C:129:LEU:O	1:C:129:LEU:HD13	1.40	1.18
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.18
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.18
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.18
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.18
1:C:506:ALA:CB	1:C:753:TYR:O	1.79	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.18
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.18
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.18
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.18
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.18
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.18
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.18
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.18
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:723:LEU:CD2	1:C:777:ARG:CD	1.83	1.18
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.67	1.18
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.18
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.18
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:502:LYS:HA	1:C:713:TYR:OH	1.27	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:502:LYS:HG3	1:C:713:TYR:OH	1.13	1.18
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.18
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.18
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.18
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.26	1.18
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.18
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.18
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.18
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:505:ILE:O	1:C:753:TYR:CB	1.82	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.18
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.18
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.66	1.18
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.18
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.18
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.18
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.18
1:C:176:GLY:CA	1:C:670:CYS:SG	2.31	1.18
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.18
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.18
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.18
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.18
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.18
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.18
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.18
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.18
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.18
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.01	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.74	1.18

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.18
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.18
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.18
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.18
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.17
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.17
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.17
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.17
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.17
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.17
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.17
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:502:LYS:HE2	1:C:713:TYR:CZ	1.78	1.17
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.66	1.17
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.17
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.43	1.17
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.17
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.17
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.17
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.17
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.17
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.17
3:Z:90:PHE:CZ	3:Z:141:TYR:HB2	1.77	1.17
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.17
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.17
1:C:176:GLY:CA	1:C:670:CYS:SG	2.31	1.17
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.17
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.17
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.17
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.17
1:C:163:MET:HG2	1:C:170:GLN:CG	1.67	1.17
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.17
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.17
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.17
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.17
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.17
1:C:508:GLU:HA	1:C:751:ALA:CA	1.75	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:176:GLY:CA	1:C:670:CYS:SG	2.31	1.17
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.17
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.17
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.17
1:C:176:GLY:CA	1:C:670:CYS:SG	2.31	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.17
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.17
1:C:76:SER:OG	1:C:93:TYR:CD1	1.92	1.17
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.17
1:C:176:GLY:CA	1:C:670:CYS:SG	2.31	1.17
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.17
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.17
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.17
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.17
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.17
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.17
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.17
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.17
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.17
1:C:800:LYS:CA	1:C:803:ASP:OD1	1.91	1.17
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.17
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.17
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.17
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.17
1:C:176:GLY:CA	1:C:670:CYS:SG	2.31	1.17
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.17
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.17
2:Y:86:GLU:CD	2:Y:149:LYS:HE2	1.66	1.17
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.17
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.17
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.17
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.17
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.17
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.17
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.17
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.17
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.17
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.17
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.17
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.17
1:C:140:TYR:CD1	1:C:140:TYR:C	2.16	1.17
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.17
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.17
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.17
1:C:140:TYR:CD1	1:C:140:TYR:C	2.16	1.17
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.17
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.17
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.17
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.17
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.17
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.17
1:C:497:GLN:O	1:C:754:ARG:CB	1.92	1.17
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.17
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.17
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.17
1:C:506:ALA:HB2	1:C:754:ARG:NH2	1.59	1.17
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.17
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.17
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.17
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.17
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.17
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.17
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.17
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.17
1:C:503:GLU:CB	1:C:761:PHE:CE1	2.25	1.17
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.17
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.17
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.17
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.17
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.17
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.17
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.17
1:C:500:TYR:CD1	1:C:707:PHE:HB2	1.79	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.42	1.17
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.17
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.17
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.17
1:C:129:LEU:O	1:C:129:LEU:HD13	1.39	1.17
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.17
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.17
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.17
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.17
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.17
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.17
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17
1:C:12:TYR:CZ	1:C:131:ILE:HG21	1.77	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.17
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.17
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.17
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.17
1:C:165:THR:CA	1:C:715:GLU:OE2	1.92	1.17
1:C:287:GLN:OE1	1:C:324:ASP:O	1.60	1.17
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.17
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:176:GLY:CA	1:C:670:CYS:SG	2.31	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.17
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.17
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.17
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:176:GLY:CA	1:C:670:CYS:SG	2.31	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:176:GLY:CA	1:C:670:CYS:SG	2.31	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.17
3:Z:98:GLN:O	3:Z:98:GLN:CG	1.86	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
3:Z:98:GLN:O	3:Z:98:GLN:CG	1.86	1.17
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.17
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.17
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:176:GLY:CA	1:C:670:CYS:SG	2.31	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.17
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.17
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:176:GLY:CA	1:C:670:CYS:SG	2.31	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
1:C:503:GLU:OE1	1:C:711:LEU:O	1.57	1.17
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:176:GLY:CA	1:C:670:CYS:SG	2.31	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.17
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.17
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.17
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.17
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.17
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.17
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.17
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.17
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.17
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.17
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.17
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.17
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.17
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:507:TRP:HB2	1:C:763:LYS:N	1.52	1.17
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.17
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.17
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.17
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.17
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.17
1:C:5:PHE:CE2	1:C:783:SER:CB	2.27	1.17
1:C:256:LYS:CA	3:Z:95:ARG:NH1	2.03	1.17
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.17
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.17
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.17
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.17
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.17
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.17
1:C:801:LEU:CD1	3:Z:21:TRP:CZ3	2.10	1.17
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.17
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.17
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.17
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.17
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.17
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.17
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.17
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.17
1:C:395:LEU:HD23	1:C:395:LEU:O	1.04	1.17
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.17
1:C:505:ILE:CD1	1:C:754:ARG:NE	1.94	1.17
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.17
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:338:LEU:CB	1:C:340:PHE:CE2	2.26	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:HA	1:C:440:ARG:HE	1.10	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.17
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.17
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.17
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17
1:C:498:GLU:O	1:C:760:VAL:HA	1.39	1.17
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.17
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.17
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.17
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.17
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.00	1.17
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.41	1.17
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.17
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.17
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.17
1:C:147:GLU:CD	1:C:771:GLU:O	1.88	1.17
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.17
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.17
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.17
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.17
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.17
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.17
1:C:452:ARG:HD3	3:Z:95:ARG:N	1.11	1.17
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.17
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.17
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.17
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.17
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.17
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.17
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.17
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.17
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.17
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.41	1.17
1:C:800:LYS:C	1:C:801:LEU:N	2.01	1.17
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.17
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.17
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.17
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.17
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.17
1:C:579:GLU:OE1	1:C:579:GLU:O	1.58	1.17
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.17
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.17
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.17
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.17
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.17
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.27	1.17
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.17
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.17
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.17
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.17
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.17
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.17
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:505:ILE:CB	1:C:754:ARG:CB	2.03	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.17
1:C:799:LYS:CG	1:C:803:ASP:OD2	1.82	1.17
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.17
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.17
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.17
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.17
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.17
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.17
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.17
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.17
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.17
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.17
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.17
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.17
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.17
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.17
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.17
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:793:LEU:HD23	1:C:793:LEU:C	1.61	1.17
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.17
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.17
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.17
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.17
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.17
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.17
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.17
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.17
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.17
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.17
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.17
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.17
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.17
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.17
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.17
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.17
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.17
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.62	1.17
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.17
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.47	1.17
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.17
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.17
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.17
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.17
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.17
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.17
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.17
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.17
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.17
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.17
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.17
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.17
1:C:500:TYR:CE1	1:C:707:PHE:HB2	1.80	1.17
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.17
1:C:350:LYS:HE3	1:C:386:LEU:CA	1.72	1.17
1:C:438:LEU:HD23	1:C:438:LEU:O	1.39	1.17
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.17
1:C:176:GLY:CA	1:C:670:CYS:SG	2.31	1.17
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.17
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.17
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.17
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.17
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.17
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.17
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.17
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.17
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.17
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.17
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.17
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.17
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.17
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.17
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.17
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.17
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.17
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.17
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.66	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.17
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.17
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.17
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.17
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.17
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.17
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.17
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.17
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.17
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.17
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.17
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.17
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.17
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.17
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.17
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.17
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.17
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.17
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.17
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.17
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.17
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.17
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.17
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.17
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.17
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.17
1:C:505:ILE:HG12	1:C:754:ARG:CB	1.74	1.17
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.17
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.17
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.17
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.17
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.17
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.17
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.17
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.17
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.17

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.17
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.17
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.17
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.17
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.17
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.17
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.17
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.17
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.17
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.17
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.17
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.17
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.42	1.17
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.17
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.17
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.17
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.17
1:C:285:PHE:CD2	1:C:312:ILE:CG1	2.25	1.17
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.17
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.17
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.17
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.17
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.17
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.17
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.17
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.17
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.17
2:Y:141:TYR:HB3	3:Z:127:LYS:CE	1.65	1.17
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.17
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.17
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.17
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.17
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.16
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.16
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.16
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.16
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.16
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.16
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.16
1:C:801:LEU:HD13	3:Z:17:LEU:CD2	1.74	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.16
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.16
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.16
1:C:503:GLU:OE2	1:C:759:LYS:CB	1.94	1.16
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
1:C:501:LYS:CD	1:C:743:LEU:CD1	2.17	1.16
1:C:502:LYS:CE	1:C:713:TYR:CE2	2.28	1.16
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:140:TYR:CD1	1:C:140:TYR:C	2.16	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.16
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.16
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.16
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.16
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.16
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.16
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.16
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.66	1.16
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.16
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.16
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:507:TRP:HB3	1:C:754:ARG:CG	1.74	1.16
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.16
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.16
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.16
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.16
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.16
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.73	1.16
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.16
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.16
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.16
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.16
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.16
1:C:499:GLU:O	1:C:761:PHE:HZ	0.85	1.16
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.16
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.16
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16
1:C:801:LEU:HD11	3:Z:17:LEU:CD2	1.59	1.16
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.16
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.16
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.16
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.16
1:C:505:ILE:HD13	1:C:754:ARG:HB3	1.27	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.16
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.16
1:C:703:CYS:O	1:C:764:ALA:HB2	1.43	1.16
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.16
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.16
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.16
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.16
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.16
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.16
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.16
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.16
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.16
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.16
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.16
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.16
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.16
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.16
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.74	1.16
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.16
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.16
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.16
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.16
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.16
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.16
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.16
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.16
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.16
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.01	1.16
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.16
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.16
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.16
1:C:801:LEU:HD11	3:Z:21:TRP:CE3	1.79	1.16
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.16
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.16
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.16
1:C:832:LYS:CE	2:Y:47:LEU:CB	2.19	1.16
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.66	1.16
1:C:449:LYS:C	3:Z:100:PHE:CG	2.23	1.16
1:C:452:ARG:CD	3:Z:95:ARG:N	1.99	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.16
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.16
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.16
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.16
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.16
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.16
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.16
1:C:503:GLU:HB3	1:C:753:TYR:HD1	1.09	1.16
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.16
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.16
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.58	1.16
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.16
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.16
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.16
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
1:C:55:GLU:OE1	1:C:68:THR:HB	1.39	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.16
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.16
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.16
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.16
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.16
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.16
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.16
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.16
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.16
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.16
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.16
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.16
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.16
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.16
1:C:177:GLU:CG	1:C:672:ILE:HG23	1.73	1.16
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.16
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.43	1.16
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.16
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.16
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.16
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.16
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.16
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.16
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.16
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.16
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.16
1:C:805:ARG:CA	3:Z:21:TRP:CH2	2.28	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:105:ASN:OD1	3:Z:120:GLU:CA	1.75	1.16
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.16
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.16
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.16
1:C:287:GLN:NE2	1:C:327:GLU:HB3	1.58	1.16
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.16
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
1:C:800:LYS:HG3	1:C:804:GLN:HB2	1.21	1.16
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.16
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.16
1:C:147:GLU:HG3	1:C:774:ARG:N	1.39	1.16
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.42	1.16
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.16
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.16
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.16
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.16
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.16
1:C:503:GLU:HB3	1:C:759:LYS:O	0.99	1.16
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.16
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.16
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.16
1:C:449:LYS:HD3	3:Z:138:ASN:ND2	1.13	1.16
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
1:C:494:ILE:O	1:C:754:ARG:CA	1.92	1.16
1:C:501:LYS:HE3	1:C:716:PHE:CZ	1.80	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:507:TRP:CE2	1:C:707:PHE:CE2	2.33	1.16
1:C:509:PHE:CB	1:C:752:GLU:CG	2.02	1.16
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.16
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.16
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.27	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.16
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.16
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.66	1.16
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.16
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.16
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.16
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.16
1:C:799:LYS:HG2	1:C:803:ASP:CB	1.76	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.16
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.16
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.16
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.16
1:C:505:ILE:HD13	1:C:750:PRO:O	1.45	1.16
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.16
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.16
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.16
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.16
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.16
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.16
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.16
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.16
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.16
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.16
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.16
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.16
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.16
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.16
2:Y:101:THR:CG2	3:Z:127:LYS:H	1.57	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.16
1:C:569:THR:O	1:C:570:ARG:HG3	1.39	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.16
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.16
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.16
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.16
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.16
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.16
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.16
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.40	1.16
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.16
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.66	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.16
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.16
1:C:140:TYR:CD1	1:C:140:TYR:C	2.16	1.16
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.16
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.16
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.16
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.16
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.16
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.16
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.16
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.16
1:C:505:ILE:N	1:C:767:LEU:CD1	1.95	1.16
1:C:507:TRP:CE2	1:C:707:PHE:CD2	2.34	1.16
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.16
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.16
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.16
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.16
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.16
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.16
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.16
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.16
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.16
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.16
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.16
1:C:147:GLU:OE1	1:C:771:GLU:O	1.64	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.16
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.16
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.16
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.16
1:C:807:GLY:HA3	2:Y:95:MET:CE	1.72	1.16
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.16
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.16
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.16
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.16
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.16
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.16
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.16
1:C:505:ILE:CG1	1:C:761:PHE:CG	2.18	1.16
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.16
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.16
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.16
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.16
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.16
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.16
1:C:812:GLN:HG2	2:Y:120:PHE:CZ	1.78	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.80	1.16
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.16
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.16
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.16
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.16
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.16
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.16
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:500:TYR:HA	1:C:761:PHE:CB	1.76	1.16
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.16
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.16
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.26	1.16
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.16
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.66	1.16
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:OH	1:C:131:ILE:HG21	1.39	1.16
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.16
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.16
1:C:60:ILE:HD11	1:C:63:ASP:N	1.58	1.16
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.16
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.16
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.16
1:C:805:ARG:HD2	3:Z:20:PHE:CE2	1.80	1.16
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.16
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.16
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.16
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.16
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.16
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
1:C:144:ARG:HH12	1:C:719:ARG:CZ	1.58	1.16
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.16
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
1:C:256:LYS:CD	3:Z:109:VAL:N	2.06	1.16
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.16
1:C:495:LEU:N	1:C:754:ARG:NE	1.94	1.16
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.16
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.16
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.16
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.16
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.02	1.16
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.16
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.16
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.00	1.16
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
1:C:505:ILE:C	1:C:754:ARG:HB3	1.69	1.16
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.16
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.16
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.16
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.43	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.42	1.16
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.16
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.16
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.16
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.16
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.16
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.16
1:C:500:TYR:C	1:C:754:ARG:H	1.51	1.16
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.16
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.16
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.16
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.16
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.16
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.16
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.16
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.16
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.16
1:C:505:ILE:HD13	1:C:754:ARG:CB	1.70	1.16
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.16
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.16
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.16
1:C:498:GLU:OE2	1:C:755:LEU:HD12	0.99	1.16
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.16
2:Y:102:LYS:HG2	3:Z:127:LYS:CD	1.72	1.16
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.16
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.16

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.16
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.16
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.16
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.16
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.16
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.16
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.16
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.16
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.16
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.16
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.16
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.16
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.16
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.16
1:C:801:LEU:HD13	3:Z:17:LEU:CD2	1.76	1.16
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.16
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.16
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.16
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.16
1:C:167:ARG:NH2	3:Z:95:ARG:CG	2.09	1.16
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.16
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.16
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.16
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.16
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.16
1:C:251:PHE:HD1	3:Z:95:ARG:CD	1.59	1.16
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.16
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.16
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.16
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.16
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.16
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.15
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.15
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.15
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.15
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.15
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.15
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.15
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.15
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.15
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.15
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.15
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.15
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.15
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.15
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.15
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.15
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.15
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.15
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.15
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.15
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.15
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.15
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.15
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.15
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.15
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.15
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.15
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.15
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.15
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.15
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.15
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.15
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.15
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.15
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.15
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.15
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.15
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.15
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.15
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.15
1:C:503:GLU:OE1	1:C:759:LYS:HB3	1.28	1.15
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.15
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.15
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.15
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.15
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.15
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.15
1:C:499:GLU:CB	1:C:761:PHE:CD2	2.28	1.15
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.15
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.15
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.15
1:C:161:GLN:NE2	1:C:771:GLU:OE2	1.79	1.15
1:C:254:THR:HG21	3:Z:105:GLU:HA	1.18	1.15
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.15
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.28	1.15
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.15
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.15
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.15
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.15
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.15
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.15
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.15
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.15
1:C:503:GLU:CG	1:C:761:PHE:CE1	2.28	1.15
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.15
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.15
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.15
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.15
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.15
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.15
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.15
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.15
1:C:800:LYS:CA	1:C:804:GLN:HB2	1.76	1.15
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.15
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.15
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.58	1.15
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.15
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.15
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.15
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.15
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.15
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.15
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.15
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.15
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.15
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.15
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.15
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.15
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.15
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.15
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.15
1:C:269:LYS:HG2	1:C:432:ASP:OD1	1.40	1.15
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.15
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.15
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.15
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.15
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.15
1:C:501:LYS:NZ	1:C:743:LEU:HD21	1.59	1.15
1:C:800:LYS:NZ	2:Y:95:MET:CG	1.98	1.15
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.15
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.15
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.15
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.15
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.15
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.15
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.15
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.15
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.15
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.15
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.15
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.15
1:C:498:GLU:O	1:C:756:GLY:N	1.79	1.15
1:C:86:GLU:OE2	1:C:150:PRO:HD2	1.01	1.15
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.15
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.15
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.15
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.15
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.15
1:C:498:GLU:O	1:C:756:GLY:N	1.79	1.15
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.15
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.15
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.15
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.15
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.15
1:C:504:GLY:C	1:C:755:LEU:HB2	1.69	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.58	1.15
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.15
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.15
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.15
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.15
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.15
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.15
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.15
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.15
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.15
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.15
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.15
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.15
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.42	1.15
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.15
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.15
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.15
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.42	1.15
1:C:500:TYR:CE1	1:C:707:PHE:CB	2.30	1.15
2:Y:103:LYS:O	3:Z:123:ASP:OD2	1.59	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.58	1.15
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.15
1:C:810:VAL:HG21	2:Y:92:ALA:CB	1.73	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.15
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.58	1.15
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.42	1.15
1:C:507:TRP:HA	1:C:751:ALA:O	1.46	1.15
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.15
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.15
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.15
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.15
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.15
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.15
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.15
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.15
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.15
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.58	1.15
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.15
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.15
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.42	1.15
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.15
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.15
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.15
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.15
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.15
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.15
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.15
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.15
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.15
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.15
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.15
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.15
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.15
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.15
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.15
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.15
1:C:499:GLU:OE2	1:C:760:VAL:N	1.78	1.15
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.15
3:Z:83:PHE:CZ	3:Z:87:MET:SD	2.38	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.15
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.15
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.15
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.15
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.15
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.15
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.15
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
1:C:800:LYS:HA	1:C:803:ASP:OD1	1.47	1.15
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.15
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.15
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.15
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.15
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.15
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.15
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.15
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.15
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.15
1:C:176:GLY:CA	1:C:670:CYS:SG	2.32	1.15
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.15
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.15
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.15
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.15
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.15
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.15
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.15
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.15
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.15
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.15
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.15
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.15
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:131:LEU:CD1	3:Z:144:PHE:CD1	2.26	1.15
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.15
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.15
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.15
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.15
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.15
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.15
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.15
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.44	1.15
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.15
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
1:C:772:GLU:O	1:C:776:GLU:HG2	1.46	1.15
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.15
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.15
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.15
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.15
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.15
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.15
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.15
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.15
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.15
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.15
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.15
2:Y:101:THR:OG1	3:Z:120:GLU:O	1.62	1.15
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.15
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.15
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.15
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.15
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.15
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.15
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.15
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.15
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.15
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.15
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.15
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.15
1:C:505:ILE:CB	1:C:761:PHE:HB2	1.73	1.15
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.15
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.15
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.15
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.15
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.15
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.15
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.15
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.15
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.15
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.15
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.15
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.44	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.15
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.15
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.15
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.15
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.15
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.15
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.15
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.15
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.15
1:C:503:GLU:C	1:C:711:LEU:HD12	1.54	1.15
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.15
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.15
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.15
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.43	1.15
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.15
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.15
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.15
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.15
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.15
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
2:Y:100:GLU:CG	3:Z:127:LYS:CD	2.25	1.15
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.15
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.15
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.15
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
1:C:510:ILE:HD11	1:C:707:PHE:HZ	1.03	1.15
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.15
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.15
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.15
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.03	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.15
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.15
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.15
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.03	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.15
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.15
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.15
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.15
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.15
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.15
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.00	1.15
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
1:C:505:ILE:HD12	1:C:754:ARG:O	0.98	1.15
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.15
1:C:504:GLY:O	1:C:755:LEU:CB	1.94	1.15
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.15
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.15
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.15
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.15
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.15
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.15
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.15
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
1:C:500:TYR:CE2	1:C:707:PHE:HB2	1.81	1.15
1:C:502:LYS:CG	1:C:756:GLY:O	1.95	1.15
2:Y:105:ASN:N	3:Z:120:GLU:HG3	1.61	1.15
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
1:C:508:GLU:CA	1:C:751:ALA:HB1	1.74	1.15
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.15
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.15
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.15
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.15
1:C:174:ILE:CD1	1:C:182:LYS:HA	1.75	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.15
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.44	1.15
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.15
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.15
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.15
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.15
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.15
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.15
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.15
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.15
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.15
3:Z:98:GLN:CG	3:Z:98:GLN:O	1.86	1.15
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.15
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.15
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.15
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.15
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.15
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.15
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.15
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.15
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.15
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.15
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.15
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.15
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.15
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.15
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.15
1:C:506:ALA:H	1:C:754:ARG:CB	1.59	1.15
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.15
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.15
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.42	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.15
1:C:800:LYS:HD2	2:Y:95:MET:HG2	1.20	1.15
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.15
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:503:GLU:O	1:C:757:THR:HG23	1.47	1.15
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.15
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.15
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.15
1:C:253:PRO:O	3:Z:89:ALA:HB3	1.45	1.15
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.15
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.15
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.15
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.15
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.42	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.15
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.15
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.15
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.42	1.15
1:C:506:ALA:H	1:C:709:SER:HB2	1.06	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.15
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.15
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.15
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.15
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.15
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.15
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.15
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.15
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.42	1.15
1:C:500:TYR:CZ	1:C:707:PHE:O	1.97	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.15
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.15
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.15
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.15
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.15
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.15
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.15
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.15
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.42	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.15
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.15
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.15
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.15
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.15
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.15
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.15
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.15
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.15
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.42	1.15
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.15
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.15
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
1:C:785:PHE:O	1:C:789:ILE:HG23	1.46	1.15
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.15
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.15
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.15
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.15
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.15
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.15
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.15
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.15
2:Y:102:LYS:CG	3:Z:127:LYS:HD2	1.71	1.15
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.15
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.15
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.15
1:C:146:THR:HG23	1:C:767:LEU:C	1.69	1.15
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.15
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.45	1.15
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.15
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.15
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.15
1:C:503:GLU:O	1:C:756:GLY:CA	1.94	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.58	1.15
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.15
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.15
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.15

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.15
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.15
1:C:193:LEU:HD23	1:C:193:LEU:C	1.63	1.15
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.15
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.15
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.14
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.14
1:C:799:LYS:HA	1:C:802:GLN:HB2	1.21	1.14
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.14
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.14
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.14
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.14
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.14
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.14
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.59	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.14
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.14
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.59	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.14
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.14
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.14
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.14
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.14
1:C:395:LEU:HD23	1:C:395:LEU:C	1.64	1.14
1:C:528:GLY:O	1:C:532:ILE:HG12	1.41	1.14
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.14
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.14
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.14
1:C:791:GLY:HA3	3:Z:43:ASN:OD1	1.41	1.14
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.14
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.14
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.14
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.14
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.14
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.14
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.43	1.14
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.14
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.14
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.14
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.14
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.14
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.14
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.14
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.14
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.14
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.14
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.14
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.14
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.14
2:Y:108:TYR:OH	3:Z:121:ASP:OD2	1.60	1.14
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.14
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.14
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.14
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.14
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.14
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.14
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.14
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.14
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.14
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.14
1:C:504:GLY:C	1:C:760:VAL:HB	1.72	1.14
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.58	1.14
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.14
1:C:192:TYR:CE1	1:C:193:LEU:HB2	1.63	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.14
1:C:144:ARG:HG2	1:C:774:ARG:H	1.01	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.83	1.14
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.14
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.14
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.14
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.14
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.14
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.14
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.14
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.14
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.14
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.14
1:C:704:ARG:CA	1:C:764:ALA:HB2	1.77	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.14
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.14
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.14
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.14
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.14
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.14
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.14
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.14
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.14
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.14
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.14
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:504:GLY:C	1:C:767:LEU:HD13	1.63	1.14
1:C:725:PRO:HB3	3:Z:88:GLU:OE2	1.42	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.14
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.14
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.14
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.14
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.14
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.14
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.14
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.14
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.14
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.58	1.14
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.14
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.14
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.14
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.14
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.14
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.14
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.14
1:C:507:TRP:HB3	1:C:754:ARG:HD3	1.28	1.14
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.14
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.14
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.14
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.45	1.14
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.14
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.14
2:Y:99:GLN:CG	3:Z:127:LYS:HG2	1.77	1.14
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.14
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.14
1:C:507:TRP:CZ3	1:C:706:GLY:O	1.98	1.14
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.14
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.14
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.14
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.14
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.14
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.14
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.14
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.14
1:C:709:SER:HA	1:C:710:ARG:N	1.59	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.14
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.14
2:Y:101:THR:N	3:Z:127:LYS:CE	2.00	1.14
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.14
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.14
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.14
1:C:790:ARG:O	1:C:794:ILE:HG23	1.47	1.14
1:C:800:LYS:NZ	2:Y:95:MET:O	1.80	1.14
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.14
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.14
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.14
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.14
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.14
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.46	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.14
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.01	1.14
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.14
1:C:144:ARG:NH1	1:C:719:ARG:CZ	2.09	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.14
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.14
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.44	1.14
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:160:TYR:O	1:C:774:ARG:NH2	1.78	1.14
1:C:164:VAL:HG13	1:C:778:LEU:HG	1.24	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.01	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:501:LYS:HZ2	1:C:770:LEU:CD1	1.61	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.14
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.01	1.14
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.01	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.59	1.14
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.01	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.01	1.14
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.01	1.14
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.14
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.14
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.14
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.14
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.14
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.14
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.14
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.14
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.14
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.14
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.14
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.14
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.14
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.14
3:Z:17:LEU:HD23	3:Z:17:LEU:C	1.63	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.14
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.14
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:563:THR:OG1	1:C:579:GLU:CD	1.88	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.83	1.14
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.14
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.14
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:506:ALA:CB	1:C:753:TYR:N	1.93	1.14
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:504:GLY:HA3	1:C:760:VAL:HG12	1.21	1.14
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.14
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.14
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
2:Y:86:GLU:HB3	2:Y:149:LYS:CD	1.75	1.14
1:C:799:LYS:HA	1:C:802:GLN:HB2	1.15	1.14
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.14
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.14
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.14
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.14
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.14
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.14
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.14
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.14
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.14
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.14
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.14
1:C:177:GLU:CG	1:C:672:ILE:CG2	2.24	1.14
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.14
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:503:GLU:O	1:C:757:THR:HG23	1.45	1.14
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.14
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.14
1:C:800:LYS:HG3	1:C:804:GLN:CA	1.77	1.14
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.14
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.14
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.14
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.14
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.14
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.14
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.14
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.14
1:C:451:LYS:CB	3:Z:141:TYR:HB3	1.75	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.14
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.14
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.14
1:C:501:LYS:N	1:C:762:PHE:N	1.95	1.14
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.14
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.14
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.14
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.14
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.14
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.14
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.14
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.14
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.14
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.14
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.14
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.14
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.14
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.14
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.14
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.14
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.14
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.14
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.14
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.14
1:C:228:ALA:O	1:C:284:ILE:HD12	1.43	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.14
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.14
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.14
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.14
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.14
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.14
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.14
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.14
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.14
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.45	1.14
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:499:GLU:CG	1:C:710:ARG:NH1	2.10	1.14
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.14
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.58	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.14
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.14
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.14
1:C:505:ILE:HD13	1:C:762:PHE:CD1	1.80	1.14
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.14
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.14
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.14
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.14
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.14
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.14
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.14
2:Y:117:GLY:CA	3:Z:20:PHE:CZ	2.30	1.14
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.14
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.14
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.14
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.14
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.14
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.14
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.14
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.14
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.14
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.14
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.14
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.44	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.14
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.14
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.14
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.14
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.14
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.14
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.43	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.44	1.14
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.14
1:C:506:ALA:HB2	1:C:767:LEU:CG	1.77	1.14
1:C:507:TRP:HZ3	1:C:706:GLY:O	1.30	1.14
1:C:508:GLU:HG3	1:C:752:GLU:CG	1.65	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.14
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.14
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.43	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.44	1.14
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.14
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.14
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.42	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.14
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.14
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.44	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.14
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.14
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.14
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.44	1.14
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.44	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.44	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.14
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.14
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.14
1:C:499:GLU:HB2	1:C:710:ARG:HD3	1.20	1.14
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.14
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.14
1:C:83:GLU:OE1	1:C:84:LYS:HG3	1.44	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.14
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.14
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.14
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.14
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.14
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.14
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.14
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.14
1:C:800:LYS:HE3	1:C:804:GLN:CB	1.76	1.14
2:Y:138:LYS:NZ	3:Z:123:ASP:N	1.95	1.14
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.14
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.14
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.14
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.14
1:C:144:ARG:HB2	1:C:720:TYR:OH	1.44	1.14
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.14
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.14
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.14
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.14
3:Z:106:LEU:O	3:Z:109:VAL:HG22	1.41	1.14
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.14
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.14
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.14
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.82	1.14
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.14
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.14
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.14
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.14
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.14
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.14
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.44	1.14
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.14
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.14
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.14
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.14
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.14
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.14
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:143:LYS:HE3	1:C:775:ASP:O	1.43	1.14
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.14
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.14
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.14
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.14
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.14
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.14
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.14
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.14
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.14
1:C:497:GLN:NE2	1:C:753:TYR:C	1.85	1.14
1:C:505:ILE:O	1:C:762:PHE:HD2	1.28	1.14
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.14
1:C:742:ILE:HG13	1:C:743:LEU:H	1.12	1.14
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.13
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.13
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.13
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.13
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.13
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.13
3:Z:120:GLU:O	3:Z:124:GLU:HG2	1.43	1.13
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.13
1:C:824:TRP:CE2	2:Y:79:LYS:HD3	1.81	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.13
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.13
1:C:449:LYS:O	3:Z:100:PHE:CB	1.96	1.13
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.13
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.13
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.13
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.13
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.13
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.13
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.13
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.13
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.13
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.13
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.13
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.83	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.61	1.13
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.13
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.13
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.13
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.13
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.13
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.13
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.13
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.13
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.13
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.13
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.13
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.13
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.13
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.13
1:C:506:ALA:H	1:C:762:PHE:CA	1.25	1.13
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.13
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.13
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.13
1:C:805:ARG:CA	3:Z:21:TRP:CZ3	2.32	1.13
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.13
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.13
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.13
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13
1:C:503:GLU:CB	1:C:755:LEU:O	1.95	1.13
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.13
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.13
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.13
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.13
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.84	1.13
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.13
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.13
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.13
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.13
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.13
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.61	1.13
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.13
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.13
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.13
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.61	1.13
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.13
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.13
1:C:311:PHE:CD1	1:C:311:PHE:C	2.16	1.13
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.13
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.13
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.13
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.13
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.13
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.13
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.13
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.13
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.13
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.13
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.13
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.13
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.13
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.13
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.13
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.13
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.28	1.13
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.13
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.13
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.13
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.13
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.13
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.13
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.13
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.13
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.13
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.13
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.13
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.26	1.13
1:C:563:THR:CB	1:C:579:GLU:OE2	1.97	1.13
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
2:Y:138:LYS:HZ1	3:Z:123:ASP:N	1.44	1.13
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.13
1:C:501:LYS:CB	1:C:754:ARG:O	1.96	1.13
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.13
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.13
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.13
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.13
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.13
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.13
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.13
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.13
3:Z:98:GLN:O	3:Z:98:GLN:CG	1.86	1.13
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.13
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.13
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.13
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.25	1.13
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.13
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.13
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.13
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.13
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.25	1.13
1:C:509:PHE:HB3	1:C:752:GLU:CG	1.72	1.13
1:C:510:ILE:HD12	1:C:707:PHE:CZ	1.77	1.13
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.25	1.13
1:C:503:GLU:OE1	1:C:759:LYS:CD	1.94	1.13
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.13
2:Y:108:TYR:OH	3:Z:120:GLU:O	1.66	1.13
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.13
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.13
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.13
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.13
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.13
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.13
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.25	1.13
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.13
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.13
1:C:489:ASN:ND2	1:C:514:MET:HE2	1.62	1.13
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.13
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.25	1.13
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.13
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.13
1:C:722:ILE:CB	1:C:777:ARG:HD3	1.68	1.13
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.13
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.13
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.13
1:C:505:ILE:HG21	1:C:762:PHE:CA	1.77	1.13
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.13
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.25	1.13
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.13
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.13
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.13
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
1:C:167:ARG:HH21	3:Z:92:THR:CA	1.62	1.13
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.13
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.13
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.13
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.13
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.13
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.13
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.13
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.13
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.58	1.13
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.13
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.13
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:499:GLU:HG3	1:C:710:ARG:HH11	1.12	1.13
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.13
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.13
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.13
2:Y:99:GLN:HA	3:Z:128:LEU:CB	1.30	1.13
2:Y:101:THR:HB	3:Z:126:ILE:HD11	1.30	1.13
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.13
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.13
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.15	1.13
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.83	1.13
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.13
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.13
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.13
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.13
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.13
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.13
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.13
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.13
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.13
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.13
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.13
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.13
1:C:505:ILE:N	1:C:761:PHE:H	1.40	1.13
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.13
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.13
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.13
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.13
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.13
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.13
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.83	1.13
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.13
1:C:10:PHE:C	1:C:10:PHE:CD1	2.16	1.13
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.13
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.82	1.13
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
1:C:654:ASN:HD21	1:C:655:LYS:CD	1.59	1.13
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.13
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.13
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.13
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.13
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.13
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.13
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.13
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.13
1:C:704:ARG:HA	1:C:764:ALA:CB	1.78	1.13
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.13
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.13
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.13
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.13
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.13
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.13
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.13
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.66	1.13
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.13
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.13
1:C:163:MET:C	1:C:774:ARG:CD	2.20	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.13
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.13
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.13
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.13
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.13
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.13
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.13
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.13
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.13
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.13
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.13
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.13
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
1:C:832:LYS:NZ	2:Y:47:LEU:HB3	1.59	1.13
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.13
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.13
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.13
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.13
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.13
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.13
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.13
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.13
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.13
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.13
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.13
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.13
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
1:C:506:ALA:N	1:C:762:PHE:HA	1.08	1.13
1:C:800:LYS:CA	1:C:803:ASP:OD1	1.96	1.13
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.13
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.13
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.13
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.13
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.13
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.13
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.13
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.13
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.13
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.13
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.13
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.13
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.13
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.13
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.13
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.13
1:C:499:GLU:OE1	1:C:756:GLY:HA2	1.45	1.13
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.13
2:Y:99:GLN:HB3	3:Z:125:ILE:HD13	1.27	1.13
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.13
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.13
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.13
2:Y:35:VAL:HG21	2:Y:67:LEU:CD1	1.75	1.13
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.13
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.13
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.13
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.13
1:C:138:ALA:HB2	3:Z:108:HIS:CD2	1.83	1.13
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.13
1:C:335:PHE:CD2	1:C:345:LYS:HD2	1.80	1.13
1:C:534:GLU:OE2	1:C:644:THR:OG1	1.63	1.13
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.13
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
1:C:800:LYS:C	1:C:801:LEU:HA	1.72	1.13
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.13
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.13
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.13
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.13
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.13
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.13
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.13
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.13
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.13
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.83	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.13
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.13
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.13
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.13
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.13
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.13
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.13
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.13
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.13
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.13
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.13
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.13
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.13
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.13
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.13
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.13
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.13
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.13
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.13
1:C:595:LEU:CD1	1:C:596:GLU:H	1.60	1.13
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.13
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.13
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.13
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.13
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	1.13
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.83	1.13
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.13
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.13
1:C:140:TYR:CD1	1:C:140:TYR:C	2.16	1.13
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.13
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.13
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.13
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.13
1:C:140:TYR:CD1	1:C:140:TYR:C	2.16	1.13
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.13
1:C:140:TYR:CD1	1:C:140:TYR:C	2.16	1.13
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.28	1.13
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.13
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.13
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.13
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.13
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.13
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.13
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.13
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.13
1:C:799:LYS:O	1:C:803:ASP:N	1.80	1.13
2:Y:85:SER:OG	2:Y:88:THR:HG23	0.99	1.13
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.13
1:C:140:TYR:CD1	1:C:140:TYR:C	2.16	1.13
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.13
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.13
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.13
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.13
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.13
1:C:140:TYR:CD1	1:C:140:TYR:C	2.16	1.13
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.13
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.13
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.13
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.13
1:C:140:TYR:CD1	1:C:140:TYR:C	2.16	1.13
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.13
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.13
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.13
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.13
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.13
1:C:723:LEU:HD23	1:C:777:ARG:HD3	1.18	1.13
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.13
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.13
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.13
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.13
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.13
2:Y:99:GLN:HG3	3:Z:127:LYS:CB	1.62	1.13
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.13
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.13
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.13
1:C:505:ILE:HG13	1:C:762:PHE:C	1.73	1.13
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.13
2:Y:101:THR:HB	3:Z:126:ILE:CD1	1.76	1.13
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.13
1:C:505:ILE:HD11	1:C:754:ARG:CB	1.78	1.13
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.13
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.13
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.13
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.13
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.13
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.13
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.13
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.13
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.13
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.13
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.13
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.13
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.13
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.13
1:C:501:LYS:O	1:C:755:LEU:HB3	1.36	1.13
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.13
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.13
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.13
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.13
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.13
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.13
1:C:503:GLU:C	1:C:756:GLY:HA2	1.72	1.13
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.13
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.13
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.13
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.13
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.13
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.13
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.13
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.13
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.13
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.13
1:C:497:GLN:C	1:C:761:PHE:CD1	2.18	1.13
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.13
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.12
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.12
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.26	1.13
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.13
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.13
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.13
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.13
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.12
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.12
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.12
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.12
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.12
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.13
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.13
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.13
2:Y:117:GLY:HA2	3:Z:20:PHE:HZ	1.14	1.12
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.12
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.12
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.12
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.84	1.12
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.12
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.12
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.13
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.13
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.12
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.12
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.13
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.13
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:523:ILE:HD13	1:C:529:ILE:HG12	1.25	1.13
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.12
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.12
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.12
1:C:717:LYS:HD2	1:C:738:VAL:CG2	1.76	1.12
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.12
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.12
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.12
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.13
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.13
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.12
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.12
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.12
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.12
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.30	1.12
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.82	1.13
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.13
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.61	1.12
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.13
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.13
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.12
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.12
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.13
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.13
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.13
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.12
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.12
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.12
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.12
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.13
1:C:146:THR:CG2	1:C:767:LEU:C	2.21	1.12
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.13
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.13
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.13
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.13
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.12
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.12
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.13
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.13
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.13
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.13
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.13
1:C:785:PHE:O	1:C:789:ILE:HG23	1.46	1.12
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.13
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.13
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.13
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.00	1.13
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.12
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.12
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.12
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.12
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.12
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.12
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.12
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.13
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.13
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.13
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.13
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.13

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.12
1:C:800:LYS:HA	1:C:804:GLN:CB	1.79	1.12
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.12
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.12
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.12
1:C:497:GLN:C	1:C:754:ARG:HB2	1.64	1.12
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.12
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.12
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.12
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.12
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.12
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12
1:C:246:PHE:CE2	1:C:248:ARG:HD3	1.82	1.12
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.12
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.12
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.12
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.66	1.12
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.12
1:C:505:ILE:CA	1:C:761:PHE:N	1.97	1.12
1:C:510:ILE:HG21	1:C:763:LYS:HZ1	0.97	1.12
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.12
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.12
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.12
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.12
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.12
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.12
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.12
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.12
1:C:504:GLY:HA2	1:C:767:LEU:HD11	1.17	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.12
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.12
2:Y:99:GLN:CG	3:Z:128:LEU:CA	2.22	1.12
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.12
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.12
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.12
1:C:742:ILE:HG13	1:C:743:LEU:H	1.12	1.12
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.12
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.12
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.12
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.12
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.12
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.12
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
1:C:243:PHE:CB	1:C:267:LEU:CD2	2.25	1.12
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.12
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.12
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.12
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.12
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.12
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.12
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.12
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.12
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.12
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.12
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.12
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.12
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.12
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.12
1:C:799:LYS:CG	1:C:803:ASP:HB2	1.78	1.12
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.12
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.66	1.12
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.15	1.12
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.12
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.12
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.12
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.12
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.46	1.12
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.12
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.12
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.12
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.12
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.12
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12
1:C:147:GLU:HG2	1:C:770:LEU:O	1.48	1.12
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.12
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.12
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.12
1:C:785:PHE:O	1:C:789:ILE:HG23	1.46	1.12
1:C:799:LYS:HG2	1:C:803:ASP:C	1.55	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.12
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.12
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.12
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.12
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.12
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.12
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:286:TYR:CE1	1:C:312:ILE:HD11	1.83	1.12
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.12
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.12
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.45	1.12
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.12
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.12
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.30	1.12
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.12
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.12
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.12
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.12
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.12
1:C:144:ARG:NH1	1:C:770:LEU:CD2	2.11	1.12
1:C:251:PHE:CD1	3:Z:95:ARG:HD2	1.85	1.12
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.12
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.12
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.12
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.12
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12
1:C:489:ASN:HD21	1:C:514:MET:CE	1.61	1.12
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.12
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.12
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.12
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.12
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.12
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.12
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.12
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.12
1:C:140:TYR:CD1	1:C:140:TYR:C	2.17	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.12
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.12
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.12
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.12
1:C:510:ILE:HD12	1:C:707:PHE:HZ	1.06	1.12
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.12
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.12
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.12
1:C:507:TRP:CZ3	1:C:707:PHE:HA	1.67	1.12
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.12
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.12
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.12
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.12
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.12
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.12
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.12
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.30	1.12
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.12
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.12
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.12
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.12
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.12
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.12
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.12
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.12
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.12
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.12
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.12
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.12
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.12
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.12
1:C:722:ILE:HB	1:C:777:ARG:HD3	1.22	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.12
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.12
1:C:503:GLU:HG2	1:C:760:VAL:CG2	1.78	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.12
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.12
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.12
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.12
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.12
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.46	1.12
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.12
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.12
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.12
1:C:799:LYS:HE3	2:Y:95:MET:SD	1.88	1.12
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.12
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.12
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:804:GLN:OE1	3:Z:21:TRP:HH2	1.32	1.12
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.12
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.12
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.12
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.12
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.12
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.12
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.12
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.12
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.12
2:Y:100:GLU:HB3	3:Z:124:GLU:O	1.46	1.12
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.12
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.12
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.12
1:C:5:PHE:CZ	1:C:780:LYS:HG3	1.84	1.12
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.12
1:C:144:ARG:HH21	1:C:773:MET:HB2	0.99	1.12
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.12
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.12
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.12
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.12
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.12
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.12
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.12
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.84	1.12
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.12
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.12
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.12
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.12
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.12
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.12
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.12
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.12
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.12
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.12
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.12
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.12
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.12
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.12
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.12
1:C:688:LEU:HD23	1:C:688:LEU:C	1.74	1.12
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.84	1.12
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.12
1:C:785:PHE:O	1:C:789:ILE:HG23	1.46	1.12
1:C:789:ILE:HB	2:Y:99:GLN:OE1	1.46	1.12
1:C:311:PHE:HE1	1:C:312:ILE:CB	1.57	1.12
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.12
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.12
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.12
1:C:350:LYS:HE3	1:C:386:LEU:HA	1.22	1.12
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.12
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.12
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.12
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.12
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.12
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.12
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.12
1:C:507:TRP:C	1:C:763:LYS:HB3	1.57	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.12
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.12
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.00	1.12
2:Y:117:GLY:HA3	3:Z:20:PHE:CD1	1.58	1.12
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.12
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.12
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.12
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.12
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.12
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.12
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.12
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.12
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.12
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.12
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.12
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.12
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.12
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.12
1:C:508:GLU:HB2	1:C:751:ALA:HB1	1.19	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.12
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.12
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.12
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.12
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.12
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.12
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.30	1.12
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.12
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.12
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.12
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.12
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.84	1.12
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.61	1.12
1:C:479:TYR:CE1	1:C:523:ILE:CG2	2.30	1.12
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.12
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.61	1.12
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.12
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.12
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.12
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.12
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.12
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.12
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.12
1:C:507:TRP:HD1	1:C:751:ALA:O	1.31	1.12
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.12
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.12
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.12
1:C:785:PHE:O	1:C:789:ILE:HG23	1.46	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.12
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.12
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.12
1:C:311:PHE:HD1	1:C:312:ILE:N	1.47	1.12
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.12
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.12
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.12
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.12
1:C:505:ILE:CG1	1:C:754:ARG:CB	2.19	1.12
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.12
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.12
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.12
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.12
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.12
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.12
1:C:500:TYR:CE1	1:C:707:PHE:O	2.02	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.12
2:Y:99:GLN:O	3:Z:127:LYS:CE	1.89	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.12
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.12
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.12
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.12
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.12
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.12
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.12
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.12
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.12
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.12
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.12
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.12
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:311:PHE:HD1	1:C:312:ILE:N	1.47	1.12
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.12
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.12
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.12
1:C:505:ILE:HD11	1:C:754:ARG:CD	1.50	1.12
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.12
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.12
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.12
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.12
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.12
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.12
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.12
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.64	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.12
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.12
1:C:338:LEU:CB	1:C:340:PHE:HE2	1.58	1.12
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.12
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.12
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.12
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.12
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.12
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.12
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.12
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.12
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.12
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.12
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.12
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.12
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.12
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.84	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.12
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.12
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.12
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.12
1:C:104:ARG:NH2	1:C:682:VAL:HG23	1.62	1.12
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.12
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.12
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.12
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.12
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.12
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.12
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.12
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.12
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.12
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.12
2:Y:102:LYS:N	3:Z:127:LYS:CD	2.13	1.12
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.12
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.12
1:C:85:LEU:O	1:C:85:LEU:HD13	1.45	1.12
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.12
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.12
1:C:285:PHE:CE2	1:C:312:ILE:CG1	2.30	1.12
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.12
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.12
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.12
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.12
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.12
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.12
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.12
1:C:800:LYS:HG2	1:C:804:GLN:HB2	1.26	1.12
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.12
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.12
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.12
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.12
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.12
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.12
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.12
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.12
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.12
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.12
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.12
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.12
1:C:285:PHE:CE1	1:C:311:PHE:CE1	2.36	1.12
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.12

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.12
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.12
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.12
2:Y:138:LYS:CG	3:Z:123:ASP:HB2	1.79	1.12
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.12
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.12
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.11
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.11
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.11
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.11
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.11
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.11
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.11
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.11
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.11
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.11
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.11
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.11
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.11
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.11
1:C:166:ASP:CB	1:C:720:TYR:CG	2.07	1.11
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.11
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.11
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
1:C:501:LYS:CE	1:C:743:LEU:CG	2.28	1.11
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.11
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.11
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.11
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.11
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.11
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.11
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.11
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.11
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.11
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.11
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.11
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.11
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.11
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.11
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.11
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.11
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.11
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.11
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.11
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.11
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.11
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.11
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.11
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.11
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.11
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.11
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.11
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.11
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.11
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.11
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.11
1:C:182:LYS:O	1:C:186:THR:HG23	1.44	1.11
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.11
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.11
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.11
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.11
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.11
1:C:800:LYS:C	1:C:801:LEU:N	2.08	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.11
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.11
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.11
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.11
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.11
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.11
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.11
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.11
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.11
1:C:502:LYS:CA	1:C:713:TYR:OH	1.97	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.11
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.11
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.11
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.11
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11
1:C:5:PHE:CE2	1:C:780:LYS:HA	1.84	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.11
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.61	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.11
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.11
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.11
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.11
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.11
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.11
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
1:C:801:LEU:HD12	3:Z:17:LEU:HD13	1.32	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.11
1:C:113:TYR:CE2	1:C:115:TYR:CZ	2.36	1.11
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.11
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.98	1.11
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.11
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.11
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.11
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.11
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.81	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.11
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.11
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.11
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.11
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
1:C:790:ARG:O	1:C:794:ILE:HG23	1.47	1.11
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.11
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.02	1.11
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.11
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.11
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.11
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.11
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.11
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.11
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.11
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.11
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.11
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.11
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.11
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.11
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.11
2:Y:117:GLY:N	3:Z:20:PHE:O	1.80	1.11
2:Y:117:GLY:N	3:Z:24:ARG:H	1.46	1.11
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.11
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.11
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.11
1:C:805:ARG:HD2	3:Z:21:TRP:HA	1.33	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.11
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.11
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.11
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.11
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.66	1.11
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.11
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.11
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.11
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.11
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.11
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.11
2:Y:30:ASP:OD1	2:Y:39:ASP:OD1	1.65	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.11
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.11
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.11
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.11
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.11
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.11
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.11
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.11
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.11
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.11
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.11
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.11
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.11
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.11
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.11
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.11
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.11
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.11
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.11
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.11
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.11
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.11
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.11
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.11
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.11
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.11
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.11
1:C:505:ILE:CG1	1:C:762:PHE:O	1.97	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.11
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.11
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.11
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.11
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.11
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.11
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.11
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.11
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.11
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.11
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.11
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.11
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
1:C:500:TYR:HA	1:C:761:PHE:CD1	1.85	1.11
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.11
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.11
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.11
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.11
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.11
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.11
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.11	1.11
1:C:799:LYS:HG2	1:C:803:ASP:HB2	1.15	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
1:C:311:PHE:HD1	1:C:312:ILE:N	1.47	1.11
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.11
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.11
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
2:Y:138:LYS:CE	3:Z:123:ASP:CA	2.19	1.11
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.11
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.11
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.11
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.11
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.11
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.11
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.11
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.84	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:140:TYR:CD2	1:C:153:PHE:CB	2.31	1.11
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.11
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:504:GLY:CA	1:C:767:LEU:CD1	2.23	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11
1:C:497:GLN:O	1:C:754:ARG:CB	1.98	1.11
1:C:503:GLU:CB	1:C:710:ARG:HB3	1.78	1.11
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11
1:C:504:GLY:O	1:C:755:LEU:CA	1.97	1.11
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.11
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.11
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:506:ALA:HB1	1:C:753:TYR:O	1.32	1.11
1:C:810:VAL:HG23	1:C:811:ILE:H	1.16	1.11
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.66	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.11
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.00	1.11
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.11
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.11
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.11
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.11	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
1:C:715:GLU:HA	3:Z:91:LYS:CE	1.81	1.11
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.11
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.11
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.11
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.11
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.11
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.11
2:Y:100:GLU:CB	3:Z:128:LEU:N	2.07	1.11
3:Z:83:PHE:CE2	3:Z:87:MET:HE2	1.83	1.11
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.11
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.11
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.11
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.11
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.11
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.11
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.11
1:C:437:TRP:CB	1:C:440:ARG:HH21	1.60	1.11
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.11
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.11
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.11
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.11
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.11
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.11
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.11
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.11
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.11
1:C:144:ARG:CG	1:C:147:GLU:CG	2.23	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.32	1.11
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.11
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.11
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.00	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
2:Y:93:PHE:CE2	3:Z:127:LYS:HE3	1.51	1.11
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.11
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:507:TRP:HA	1:C:763:LYS:HB2	1.25	1.11
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.11
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.11
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.11
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.11
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.11
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.11
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.11
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.11
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.11
1:C:800:LYS:NZ	2:Y:95:MET:O	1.83	1.11
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.11
1:C:164:VAL:HG22	1:C:778:LEU:HD12	1.14	1.11
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:449:LYS:O	3:Z:100:PHE:HB2	1.51	1.11
1:C:451:LYS:CB	3:Z:141:TYR:CB	2.28	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.11
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.11
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.11
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.01	1.11
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.11
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.11
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.11
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.11
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.11
1:C:500:TYR:HB2	1:C:754:ARG:HB2	1.14	1.11
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.11
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.11
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.11
1:C:723:LEU:C	1:C:777:ARG:CZ	2.23	1.11
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.11
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.11
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.11
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.11
1:C:503:GLU:HB3	1:C:711:LEU:N	1.64	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.11
1:C:805:ARG:N	3:Z:21:TRP:HZ3	1.47	1.11
1:C:311:PHE:HD1	1:C:312:ILE:N	1.46	1.11
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:504:GLY:C	1:C:762:PHE:CE2	2.28	1.11
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.11
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.11
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:771:GLU:O	1:C:775:ASP:OD2	1.66	1.11
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.11
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.11
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.11
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.11
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.11
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.11
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.11
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.11
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.11
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.11
1:C:505:ILE:CD1	1:C:709:SER:CB	2.29	1.11
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.11
1:C:5:PHE:CE1	1:C:780:LYS:CA	2.22	1.11
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.11
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.11
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.11
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.11
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:810:VAL:HG23	1:C:811:ILE:H	1.16	1.11
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.11
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.11
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.11
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.11
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.11
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.11
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.11
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.11
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.11
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.11
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.11
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.11
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.11
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:12:TYR:CD1	1:C:12:TYR:C	2.17	1.11
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.11
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.00	1.11
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.11
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.11
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.11
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.11
1:C:144:ARG:NH1	1:C:770:LEU:HD23	1.64	1.11
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.11
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.11
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.11
1:C:500:TYR:CD1	1:C:707:PHE:HB3	1.58	1.11
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.11
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.11
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.11
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.11
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.11
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.11
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.11
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.11
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.11
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.32	1.11
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.11
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.11
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.11
1:C:164:VAL:HG22	1:C:778:LEU:CD1	1.80	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:499:GLU:O	1:C:710:ARG:HA	1.49	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.11
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.11
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.11
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.11
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.11
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.11
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.01	1.11
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.11
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.11
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.11
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.11
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.11
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.11
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.11
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.11
1:C:805:ARG:HA	3:Z:21:TRP:CZ3	1.85	1.11
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.11
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.11
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.11
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:499:GLU:CB	1:C:761:PHE:CE2	2.18	1.11
1:C:499:GLU:HB2	1:C:761:PHE:HE2	1.08	1.11
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.11
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.11
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.11
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.11
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.11
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.11
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.11
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.11
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.11
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.11
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11
2:Y:100:GLU:CB	3:Z:124:GLU:O	0.81	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.11
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.11
2:Y:138:LYS:HD3	3:Z:123:ASP:HB3	1.15	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.11
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.11
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.11
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.11
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.11
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.11
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.11
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.11
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.11
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.11
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.11
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.11
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.11
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.11
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.11
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.11
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.11
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.11
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
1:C:195:LYS:HE3	3:Z:108:HIS:HE1	1.16	1.11
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.11
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.11
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.11
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.11
1:C:464:PHE:CE2	1:C:466:ILE:CG2	2.32	1.11
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.11
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.10
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.10
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.10
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.10
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.10
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.10
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.10
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.10
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.10
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.10
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.10
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
1:C:664:HIS:CD2	1:C:711:LEU:HD21	1.85	1.10
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.10
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.10
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.10
1:C:688:LEU:HD23	1:C:688:LEU:C	1.74	1.10
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
1:C:688:LEU:HD23	1:C:688:LEU:C	1.74	1.10
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.10
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.10
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.10
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.10
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.10
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.10
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
1:C:504:GLY:C	1:C:756:GLY:H	1.58	1.10
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.10
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.10
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.30	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.10
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.10
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.10
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.10
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.10
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.10
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.66	1.10
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.10
1:C:279:GLU:O	1:C:279:GLU:OE1	1.70	1.10
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.10
1:C:506:ALA:CB	1:C:754:ARG:NH2	2.14	1.10
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.10
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.10
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.10
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.10
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.10
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.87	1.10
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.10
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.10
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.10
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.10
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.10
1:C:279:GLU:O	1:C:279:GLU:OE1	1.69	1.10
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.10
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.10
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.10
1:C:742:ILE:HG13	1:C:743:LEU:H	1.12	1.10
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.10
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.10
2:Y:138:LYS:CE	3:Z:119:ASP:O	1.97	1.10
1:C:279:GLU:O	1:C:279:GLU:OE1	1.70	1.10
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.10
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.10
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.10
1:C:279:GLU:O	1:C:279:GLU:OE1	1.70	1.10
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.10
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.10
1:C:507:TRP:CB	1:C:754:ARG:CG	2.28	1.10
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.10
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.10
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.10
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.10
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.10
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.10
1:C:231:ASN:ND2	1:C:241:SER:HA	1.63	1.10
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.10
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.10
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.10
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.10
1:C:279:GLU:O	1:C:279:GLU:OE1	1.70	1.10
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.10
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.11	1.10
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.10
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.10
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.10
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.10
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.10
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.10
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.10
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.10
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.10
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.10
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.10
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.10
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.10
1:C:501:LYS:CE	1:C:743:LEU:CD1	2.26	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.10
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.10
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.10
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.10
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.10
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.10
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.10
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.10
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.10
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.10
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.10
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.10
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.10
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.10
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.10
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.10
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.10
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.10
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.10
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.10
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.10
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.10
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.10
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.10
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.10
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.10
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.10
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.10
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.10
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.10
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.10
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.10
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.10
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.10
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.10
1:C:810:VAL:HG23	1:C:811:ILE:H	1.16	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.10
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.10
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.10
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.10
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.10
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.10
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.10
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.47	1.10
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.87	1.10
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.10
1:C:279:GLU:O	1:C:279:GLU:OE1	1.69	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.10
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.10
1:C:742:ILE:HG13	1:C:743:LEU:H	1.12	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.10
1:C:279:GLU:OE1	1:C:279:GLU:O	1.69	1.10
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.10
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.10
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.10
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.10
1:C:508:GLU:OE1	1:C:751:ALA:HB2	1.33	1.10
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.10
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.10
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.10
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.10
2:Y:102:LYS:H	3:Z:127:LYS:HD3	1.10	1.10
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.10
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.47	1.10
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.10
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.32	1.10
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.10
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.10
1:C:563:THR:CB	1:C:579:GLU:OE2	1.96	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.87	1.10
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.10
1:C:279:GLU:OE1	1:C:279:GLU:O	1.70	1.10
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.10
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.10
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.10
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.10
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.10
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.10
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.47	1.10
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.10
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.10
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.10
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.10
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.10
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.10
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.10
1:C:279:GLU:O	1:C:279:GLU:OE1	1.69	1.10
1:C:800:LYS:HA	1:C:803:ASP:OD1	1.49	1.10
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.10
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.10
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.10
1:C:279:GLU:O	1:C:279:GLU:OE1	1.70	1.10
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.87	1.10
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.10
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.10
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.10
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:279:GLU:O	1:C:279:GLU:OE1	1.69	1.10
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.10
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.61	1.10
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.10
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.10
1:C:10:PHE:CD1	1:C:10:PHE:O	2.04	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
1:C:473:GLU:N	1:C:597:LYS:HZ3	1.47	1.10
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.10
2:Y:101:THR:HG21	3:Z:122:VAL:O	1.50	1.10
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.10
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
3:Z:119:ASP:O	3:Z:122:VAL:HG13	1.45	1.10
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.10
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.10
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.10
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.10
1:C:507:TRP:CE3	1:C:707:PHE:HE1	1.65	1.10
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.10
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.10
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.10
1:C:248:ARG:HB2	3:Z:95:ARG:HD2	1.25	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.10
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.10
1:C:449:LYS:HA	3:Z:100:PHE:CE2	1.86	1.10
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.10
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.10
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
1:C:507:TRP:HZ3	1:C:706:GLY:C	1.47	1.10
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.10
2:Y:99:GLN:HG3	3:Z:128:LEU:CA	1.81	1.10
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.10
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.10
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.10
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.10
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.10
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.10
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.10
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.10
1:C:144:ARG:CG	1:C:147:GLU:HG2	1.75	1.10
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.10
1:C:703:CYS:O	1:C:764:ALA:HB2	1.49	1.10
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.10
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.10
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.10
1:C:742:ILE:HG13	1:C:743:LEU:H	1.12	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.10
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.10
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.10
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.10
2:Y:85:SER:O	2:Y:89:ILE:HG23	1.47	1.10
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.10
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.10
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.10
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
1:C:503:GLU:CD	1:C:711:LEU:CA	2.21	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.10
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.10
1:C:742:ILE:HG13	1:C:743:LEU:H	1.12	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.10
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.10
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.10
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.10
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.10
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.10
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10
1:C:773:MET:HA	1:C:776:GLU:HG3	1.19	1.10
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.10
1:C:279:GLU:OE1	1:C:279:GLU:O	1.70	1.10
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.10
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.10
1:C:279:GLU:O	1:C:279:GLU:OE1	1.69	1.10
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.10
1:C:279:GLU:O	1:C:279:GLU:OE1	1.69	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.10
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.87	1.10
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.30	1.10
1:C:279:GLU:O	1:C:279:GLU:OE1	1.69	1.10
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.10
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.10
1:C:279:GLU:O	1:C:279:GLU:OE1	1.69	1.10
1:C:502:LYS:C	1:C:759:LYS:O	1.93	1.10
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.10
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.10
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.10
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.10
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.10
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.10
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.10
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
1:C:279:GLU:O	1:C:279:GLU:OE1	1.70	1.10
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.11	1.10
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:503:GLU:CB	1:C:761:PHE:CE1	2.33	1.10
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.10
1:C:195:LYS:CE	3:Z:108:HIS:HE1	1.64	1.10
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.10
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.10
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.10
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.10
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.10
1:C:279:GLU:O	1:C:279:GLU:OE1	1.69	1.10
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.10
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.10
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.10
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.10
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.10
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.10
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.10
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.10
1:C:256:LYS:CB	3:Z:95:ARG:HH12	1.64	1.10
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.10
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.10
1:C:688:LEU:HD23	1:C:688:LEU:C	1.74	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.10
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.10
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.10
1:C:162:ASN:CG	1:C:771:GLU:CB	1.89	1.10
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.10
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:505:ILE:HG23	1:C:761:PHE:HA	1.24	1.10
2:Y:107:GLU:CG	3:Z:120:GLU:OE2	1.98	1.10
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.10
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.10
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.10
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.10
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.10
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.10
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.10
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.10
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.10
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.10
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.10
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.10
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.10
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.10
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.10
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.10
1:C:709:SER:HA	1:C:710:ARG:N	1.58	1.10
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.10
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.10
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.10
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.10
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.10
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.10
1:C:81:LYS:HZ1	1:C:772:GLU:CB	1.65	1.10
1:C:147:GLU:HB3	3:Z:95:ARG:HG3	1.25	1.10
1:C:148:ILE:HG22	3:Z:95:ARG:HD2	1.34	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.10
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.10
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.10
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.10
1:C:488:PHE:CE2	1:C:492:MET:SD	2.44	1.10
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.10
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.10
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.10
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.10
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.10
1:C:508:GLU:HG2	1:C:751:ALA:HB2	1.14	1.10
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.10
1:C:144:ARG:CG	1:C:774:ARG:CB	2.26	1.10
1:C:144:ARG:HG2	1:C:774:ARG:HB2	1.12	1.10
1:C:166:ASP:OD1	1:C:712:ILE:CD1	1.98	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.10
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.10
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.10
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.10
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.10
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.10
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.10
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.10
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.10
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.10
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.10
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.10
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.10
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.10
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.10
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.10
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.10
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.10
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.10
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.10
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.10
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.10
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.10
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.10
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.15	1.10
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.10
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.10
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.10
1:C:497:GLN:C	1:C:761:PHE:HB2	1.77	1.10
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
1:C:688:LEU:HD23	1:C:688:LEU:C	1.74	1.10
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.10
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10
1:C:279:GLU:OE1	1:C:279:GLU:O	1.70	1.10
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.10
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.10
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.10
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.10
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.10
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.10
1:C:478:ASN:ND2	1:C:582:HIS:CE1	2.18	1.10
1:C:279:GLU:OE1	1:C:279:GLU:O	1.69	1.10
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.10
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.00	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.10
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.10
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.10
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.10
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.10
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.10
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.30	1.10
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:253:PRO:O	3:Z:89:ALA:HB1	1.45	1.10
1:C:452:ARG:NH1	3:Z:96:GLU:N	1.97	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
1:C:688:LEU:HD23	1:C:688:LEU:C	1.74	1.10
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.10
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.10
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.10
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.10
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.10
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.10
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.10
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
1:C:688:LEU:HD23	1:C:688:LEU:C	1.74	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.10
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.10
1:C:279:GLU:OE1	1:C:279:GLU:O	1.70	1.10
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.10
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.10
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
1:C:688:LEU:HD23	1:C:688:LEU:C	1.74	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.10
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:279:GLU:OE1	1:C:279:GLU:O	1.70	1.10
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.10
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
1:C:688:LEU:HD23	1:C:688:LEU:C	1.74	1.10
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.10
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.10
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.10
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.10
1:C:800:LYS:C	1:C:803:ASP:OD1	1.93	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
1:C:688:LEU:HD23	1:C:688:LEU:C	1.74	1.10
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.10
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.81	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
1:C:505:ILE:HB	1:C:762:PHE:CB	1.81	1.10
1:C:505:ILE:HD12	1:C:752:GLU:CB	1.76	1.10
1:C:688:LEU:HD23	1:C:688:LEU:C	1.74	1.10
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.10
1:C:507:TRP:O	1:C:754:ARG:NH1	1.83	1.10
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.10
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.10
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.87	1.10
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.10
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.10
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.10
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.10
2:Y:56:LEU:HD13	2:Y:56:LEU:C	1.65	1.10
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.10
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.10
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.10
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.10
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.10
2:Y:99:GLN:HB2	3:Z:127:LYS:HG2	1.17	1.10
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.10
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.10
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.10
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.10
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.10
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.10
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.10
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.10
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.10
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.10
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.10
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.10
1:C:800:LYS:CD	2:Y:95:MET:CG	2.14	1.10
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.10
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.10
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.10
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.10
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.10
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.10
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.10
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.10
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.10
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.10
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.10
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.10
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.10
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.10
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.10
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.10
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.10
1:C:505:ILE:N	1:C:761:PHE:N	2.00	1.10
2:Y:101:THR:N	3:Z:127:LYS:HE2	1.37	1.10
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.00	1.10
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.10
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.10
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.10
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.10

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.10
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.10
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.10
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.10
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.10
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.10
1:C:285:PHE:CE2	1:C:312:ILE:CB	2.33	1.10
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.10
1:C:437:TRP:HA	1:C:440:ARG:HE	1.10	1.10
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.10
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.10
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.65	1.10
1:C:251:PHE:HD1	3:Z:95:ARG:HD2	1.05	1.10
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.10
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.10
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.10
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.10
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.10
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.10
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.61	1.10
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.10
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.10
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.10
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.10
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.10
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.10
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.10
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.10
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.09
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.09
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.03	1.09
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.09
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.09
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.09
1:C:688:LEU:HD23	1:C:688:LEU:C	1.74	1.09
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.09
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.09
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.09
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.09
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.09
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.09
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.09
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.09
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.03	1.09
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:500:TYR:CA	1:C:762:PHE:H	1.63	1.09
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.09
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.09
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.09
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.09
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.09
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.09
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.03	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.09
1:C:785:PHE:O	1:C:789:ILE:HG23	1.47	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.52	1.09
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.09
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.09
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.09
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.03	1.09
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.09
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.09
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.09
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.09
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.03	1.09
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.09
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.09
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:502:LYS:O	1:C:713:TYR:CZ	2.05	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.09
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.09
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.03	1.09
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.09
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.09
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.09
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.03	1.09
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.09
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.09
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.52	1.09
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.09
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.09
1:C:279:GLU:O	1:C:279:GLU:OE1	1.70	1.09
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.09
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:826:TRP:CZ2	2:Y:72:PHE:CD1	2.38	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.09
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.09
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.09
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.09
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.09
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.09
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.09
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.09
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.52	1.09
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.09
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.52	1.09
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.82	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.09
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.09
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.09
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.09
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:705:LYS:C	1:C:706:GLY:O	1.95	1.09
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.09
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.09
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.09
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.09
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.09
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.09
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.52	1.09
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.09
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.09
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.09
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.09
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.66	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.09
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.09
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.09
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.09
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.09
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.09
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.09
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.09
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.09
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.00	1.09
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.09
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.09
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.09
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.34	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.09
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.87	1.09
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.09
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.09
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.52	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.28	1.09
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.09
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.09
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.09
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.09
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.09
1:C:350:LYS:NZ	1:C:386:LEU:HG	1.64	1.09
1:C:165:THR:HB	1:C:715:GLU:OE2	1.46	1.09
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.09
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.09
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.09
1:C:810:VAL:HG23	1:C:811:ILE:H	1.16	1.09
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.81	1.09
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.09
1:C:507:TRP:HZ3	1:C:706:GLY:C	1.54	1.09
1:C:507:TRP:CD2	1:C:763:LYS:CG	2.33	1.09
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.09
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.09
1:C:279:GLU:O	1:C:279:GLU:OE1	1.70	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.09
1:C:167:ARG:HG3	1:C:722:ILE:HD13	1.13	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:451:LYS:HB2	3:Z:141:TYR:HB3	1.15	1.09
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.09
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.09
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.09
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.09
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.31	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.09
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.09
1:C:279:GLU:O	1:C:279:GLU:OE1	1.70	1.09
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.09
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.09
1:C:279:GLU:O	1:C:279:GLU:OE1	1.70	1.09
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.09
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.09
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.09
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.09
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.09
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.09
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.09
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.09
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.09
1:C:505:ILE:O	1:C:753:TYR:CB	1.99	1.09
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.09
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.09
1:C:805:ARG:N	3:Z:21:TRP:CZ3	2.21	1.09
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.09
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.09
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.09
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.09
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.09
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.09
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.09
1:C:126:TYR:CD2	1:C:679:PRO:N	2.20	1.09
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.09
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:275:GLN:CA	1:C:279:GLU:OE2	1.97	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.09
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.26	1.09
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.09
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.09
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.09
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.09
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.09
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.09
1:C:126:TYR:CD2	1:C:679:PRO:N	2.20	1.09
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.12	1.09
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.09
1:C:437:TRP:HA	1:C:440:ARG:HE	1.10	1.09
1:C:701:ARG:HG2	1:C:705:LYS:HD3	1.26	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.09
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.09
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.68	1.09
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.09
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.09
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.61	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.87	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.09
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09
1:C:32:LYS:CA	1:C:48:ILE:CD1	2.28	1.09
1:C:126:TYR:CD2	1:C:679:PRO:N	2.20	1.09
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.09
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.09
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.09
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.52	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:126:TYR:CD2	1:C:679:PRO:N	2.20	1.09
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.09
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.09
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:279:GLU:O	1:C:279:GLU:OE1	1.70	1.09
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.09
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.09
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.09
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.09
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.09
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.09
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.09
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.09
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.09
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.09
1:C:415:ASN:ND2	1:C:418:GLN:HB2	1.65	1.09
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.87	1.09
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.09
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.51	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.09
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.09
1:C:449:LYS:C	3:Z:100:PHE:CD2	2.31	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.09
1:C:497:GLN:HB3	1:C:753:TYR:O	1.48	1.09
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.09
1:C:725:PRO:HG3	3:Z:88:GLU:OE2	1.39	1.09
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.09
1:C:505:ILE:N	1:C:760:VAL:O	1.84	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.09
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.09
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.09
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.49	1.09
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.09
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.09
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.09
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.09
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.09
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.09
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.09
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.09
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.09
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.09
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.09
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.09
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.09
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.09
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.09
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.09
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.09
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.09
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.09
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.09
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.09
1:C:499:GLU:CB	1:C:710:ARG:CD	2.31	1.09
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.09
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.09
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.87	1.09
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.09
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.09
2:Y:103:LYS:HB3	3:Z:120:GLU:OE1	1.44	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.87	1.09
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.09
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.09
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.09
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.09
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.09
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.09
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.09
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.09
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.09
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.09
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.09
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.09
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.09
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.09
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.09
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.09
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.09
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.87	1.09
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.09
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.09
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.09
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.30	1.09
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.09
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.09
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.09
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.09
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.09
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.09
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.09
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.83	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.09
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.09
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.49	1.09
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.09
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.87	1.09
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.09
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.09
1:C:500:TYR:CE2	1:C:707:PHE:CB	2.28	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.26	1.09
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.09
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.09
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.09
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.09
1:C:175:THR:OG1	1:C:667:PHE:HZ	1.31	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.09
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.09
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.09
1:C:478:ASN:ND2	1:C:582:HIS:ND1	1.98	1.09
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.09
1:C:599:LYS:O	1:C:600:ASP:O	1.71	1.09
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.09
1:C:500:TYR:CD2	1:C:707:PHE:CE1	2.40	1.09
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.09
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.09
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.09
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.09
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.09
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.09
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.09
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:253:PRO:O	1:C:781:ILE:HD11	1.51	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.09
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.09
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.09
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.09
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.09
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.09
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.09
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.09
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.09
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09
3:Z:143:ASP:OD1	3:Z:147:LYS:HE3	1.47	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.09
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.09
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.09
1:C:773:MET:C	1:C:776:GLU:HB2	1.76	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.67	1.09
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.09
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.09
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.09
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.09
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.09
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.09
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.03	1.09
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.09
1:C:810:VAL:HG23	1:C:811:ILE:H	1.16	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.09
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:502:LYS:CE	1:C:713:TYR:CE1	2.36	1.09
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.30	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.09
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.09
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.09
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:124:ASN:ND2	1:C:673:PRO:CD	2.13	1.09
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.09
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.09
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.09
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.09
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.00	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.09
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.09
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.68	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.09
1:C:800:LYS:C	1:C:802:GLN:N	2.11	1.09
1:C:800:LYS:HE2	1:C:804:GLN:HG2	1.31	1.09
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.09
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.09
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.09
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.09
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.09
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.33	1.09
1:C:742:ILE:HG13	1:C:743:LEU:H	1.12	1.09
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.09
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.09
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.09
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.09
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.09
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.86	1.09
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.09
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.09
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.09
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.09
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.11	1.09
1:C:138:ALA:O	3:Z:113:LEU:HD11	1.52	1.09
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
2:Y:97:ASP:CB	3:Z:128:LEU:CD2	2.26	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.09
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.09
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.09
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.09
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.09
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.09
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.09
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.09
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.09
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.09
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.09
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.09
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.09
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.09
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09
3:Z:100:PHE:C	3:Z:100:PHE:CD1	2.17	1.09
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.09
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.09
1:C:505:ILE:HA	1:C:761:PHE:N	1.54	1.09
1:C:510:ILE:CG2	1:C:763:LYS:HZ1	1.50	1.09
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.09
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.09
1:C:810:VAL:HG23	1:C:811:ILE:H	1.16	1.09
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.09
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.09
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.09
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.09
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.09
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.09
1:C:493:PHE:N	1:C:754:ARG:NH2	2.00	1.09
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.09
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.09
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.09
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.09
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.09
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.09
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.09
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.09
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.09
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.09
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.09
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.09
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.09
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.09
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.09
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.09
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.09
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.09
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.09
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.09
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.09
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.09
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.81	1.09
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.09
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.09
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.09
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.09
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.09
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.09
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.09
1:C:723:LEU:O	1:C:777:ARG:CZ	2.01	1.09
1:C:742:ILE:HG13	1:C:743:LEU:H	1.12	1.09
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.09
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.09
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.09
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.09
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.09
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.09
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.09
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.09
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.09
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.09
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.09
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.09
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.09
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.09
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.09
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.09
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.09
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.09
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.09
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.09
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.09
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.09
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.32	1.09
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.09
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.09
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.09
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.09
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.52	1.09
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.09
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.09
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.09
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.09
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.09
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.09
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.09
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.09
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.09
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.09
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.09
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.09
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.09
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.09
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.09
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.09
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.09
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.09
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.09
1:C:790:ARG:O	1:C:794:ILE:HG23	1.48	1.09
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.09
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.09
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.09
1:C:508:GLU:HA	1:C:751:ALA:HA	1.22	1.09
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.09
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.09
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.09
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.09
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.09
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.09
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.09
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.09
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	1.09
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.09
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.09
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.09
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.09
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.09
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.09
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.32	1.09
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.09
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.09
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.09
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.09
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.09
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.09
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.09
1:C:500:TYR:HA	1:C:761:PHE:CG	1.88	1.09
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.09
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.09
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.09
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.09
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.09
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.09
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.09
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.09
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.68	1.09
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.83	1.09
1:C:126:TYR:CD2	1:C:679:PRO:N	2.20	1.09
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.09
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.09
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.09
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.09
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.03	1.09
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.09
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.09
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.09
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.09
1:C:254:THR:O	3:Z:94:ASP:C	1.79	1.09
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.09
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.09
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.09
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.09
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.09

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.09
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.09
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.09
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.09
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.09
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.09
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.09
1:C:800:LYS:HZ1	1:C:808:LEU:HD12	1.14	1.09
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.09
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.09
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.09
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.09
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.09
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.09
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.09
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:279:GLU:OE1	1:C:279:GLU:O	1.70	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.08
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.08
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.08
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.08
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.08
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.08
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.08
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.08
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.08
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:279:GLU:OE1	1:C:279:GLU:O	1.70	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:495:LEU:HB3	1:C:710:ARG:HD2	1.32	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.08
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:279:GLU:OE1	1:C:279:GLU:O	1.70	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.08
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.08
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.08
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.08
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.08
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.08
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.08
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:279:GLU:OE1	1:C:279:GLU:O	1.70	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.08
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.08
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:279:GLU:OE1	1:C:279:GLU:O	1.70	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:279:GLU:OE1	1:C:279:GLU:O	1.70	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:279:GLU:OE1	1:C:279:GLU:O	1.70	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:502:LYS:CE	1:C:713:TYR:HE1	1.65	1.08
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.08
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.08
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.08
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.08
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:479:TYR:HE1	1:C:523:ILE:HG23	1.04	1.08
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.08
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.08
1:C:796:LYS:HE2	2:Y:98:GLU:HB2	1.28	1.08
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.08
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:507:TRP:CZ3	1:C:706:GLY:C	2.30	1.08
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.08
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.08
2:Y:101:THR:HG23	3:Z:124:GLU:H	1.04	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.08
2:Y:100:GLU:HB3	3:Z:128:LEU:HA	1.09	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:5:PHE:CE1	1:C:780:LYS:CG	2.37	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.08
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.08
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.08
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:507:TRP:HB3	1:C:754:ARG:HD3	1.29	1.08
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.08
2:Y:98:GLU:HB2	3:Z:128:LEU:HD21	1.33	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.08
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.08
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.08
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.08
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.08
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.08
1:C:146:THR:HG21	1:C:768:GLY:HA2	1.34	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.20	1.08
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.08
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.08
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:498:GLU:HB2	1:C:761:PHE:HE1	1.06	1.08
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.08
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.08
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.08
1:C:810:VAL:HG23	1:C:811:ILE:H	1.16	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.52	1.08
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.08
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.52	1.08
1:C:507:TRP:HZ3	1:C:707:PHE:CD1	1.58	1.08
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.08
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.08
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.08
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.08
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.08
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.08
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.08
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.08
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.08
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.08
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.08
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.08
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.08
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.08
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.08
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.08
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.08
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.08
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.08
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.08
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.08
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.08
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.08
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.08
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.08
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:505:ILE:HD11	1:C:751:ALA:HA	1.34	1.08
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.08
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.08
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:498:GLU:CD	1:C:756:GLY:HA2	1.76	1.08
1:C:499:GLU:CD	1:C:759:LYS:HB2	1.61	1.08
1:C:499:GLU:OE1	1:C:759:LYS:CB	0.78	1.08
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.08
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.08
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.08
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.08
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.08
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.08
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.08
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.08
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.08
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.08
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.08
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.08
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.08
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.08
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.08
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.08
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.08
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.08
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.08
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.08
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.08
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.08
2:Y:37:LYS:HG3	2:Y:56:LEU:CG	1.80	1.08
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.08
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.08
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.08
1:C:10:PHE:CD2	1:C:14:ALA:HB3	1.87	1.08
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.08
1:C:144:ARG:HG2	1:C:774:ARG:HB3	1.26	1.08
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.11	1.08
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.08
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.06	1.08
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.08
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.08
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.08
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.08
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.15	1.08
1:C:810:VAL:HG23	1:C:811:ILE:H	1.16	1.08
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.08
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.08
1:C:801:LEU:CD1	3:Z:17:LEU:CD1	2.14	1.08
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.08
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.08
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.61	1.08
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.08
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.30	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.08
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.08
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.65	1.08
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.08
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.08
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.08
1:C:723:LEU:HD23	1:C:777:ARG:CD	1.81	1.08
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.08
2:Y:97:ASP:HB3	3:Z:128:LEU:HD21	1.35	1.08
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.08
1:C:228:ALA:C	1:C:284:ILE:HD12	1.75	1.08
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.08
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.08
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.08
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.08
1:C:177:GLU:HG3	1:C:672:ILE:HD12	1.22	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.08
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.08
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.08
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.08
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.08
1:C:10:PHE:CD1	1:C:10:PHE:O	2.03	1.08
1:C:124:ASN:CG	1:C:673:PRO:CD	2.20	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.08
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.08
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.08
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.08
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.08
1:C:279:GLU:OE1	1:C:279:GLU:O	1.69	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.08
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.08
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.08
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.08
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.08
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.08
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:256:LYS:CD	3:Z:109:VAL:HA	1.82	1.08
1:C:664:HIS:CD2	1:C:711:LEU:CD2	2.37	1.08
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.08
1:C:279:GLU:OE1	1:C:279:GLU:O	1.69	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:501:LYS:HE2	1:C:743:LEU:HG	1.13	1.08
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.08
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.08
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.08
1:C:279:GLU:OE1	1:C:279:GLU:O	1.69	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.08
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.08
1:C:365:GLN:HG2	1:C:366:ARG:H	1.09	1.08
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.08
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.08
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.08
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.08
1:C:280:ARG:HD2	1:C:286:TYR:CE1	1.87	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.08
1:C:279:GLU:OE1	1:C:279:GLU:O	1.69	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.08
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.08
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.08
1:C:688:LEU:HD23	1:C:688:LEU:C	1.74	1.08
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.08
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.08
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.08
1:C:279:GLU:OE1	1:C:279:GLU:O	1.69	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.08
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:498:GLU:CB	1:C:756:GLY:HA2	1.83	1.08
2:Y:35:VAL:CG2	2:Y:67:LEU:CB	2.29	1.08
1:C:94:LEU:CD1	1:C:700:ILE:CG2	2.30	1.08
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.08
1:C:279:GLU:OE1	1:C:279:GLU:O	1.69	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.08
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.08
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.08
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.08
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.61	1.08
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.08
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.08
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.08
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.08
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.08
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.08
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.08
1:C:772:GLU:C	1:C:776:GLU:HG2	1.78	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.08
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.08
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.08
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.08
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.08
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.08
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.08
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.08
1:C:138:ALA:HB2	3:Z:108:HIS:HD2	0.94	1.08
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.08
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.00	1.08
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.08
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.08
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.08
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.08
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.08
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.08
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.08
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.08
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.08
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.30	1.08
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.08
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.12	1.08
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.08
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.08
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.08
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.08
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.08
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.08
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.08
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.30	1.08
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.08
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.32	1.08
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.08
1:C:742:ILE:HG13	1:C:743:LEU:H	1.12	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.08
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.08
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.08
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.08
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.08
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.08
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.08
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.08
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.08
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.08
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.08
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.08
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.08
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08
1:C:507:TRP:HZ3	1:C:707:PHE:CA	1.67	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.00	1.08
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.08
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.08
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.08
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.08
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.08
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.08
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.08
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.08
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.08
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.08
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.08
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.08
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.00	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.11	1.08
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.08
1:C:599:LYS:O	1:C:600:ASP:O	1.71	1.08
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.08
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.08
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.08
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.08
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.08
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.08
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.08
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.08
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.08
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:499:GLU:OE2	1:C:759:LYS:HD3	1.53	1.08
1:C:502:LYS:HE3	1:C:713:TYR:CE1	1.88	1.08
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.08
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.08
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.08
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.08
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.08
1:C:165:THR:HB	1:C:774:ARG:NH1	0.81	1.08
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.08
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08
1:C:500:TYR:CZ	1:C:707:PHE:HB2	1.86	1.08
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.08
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.08
1:C:275:GLN:HB3	1:C:279:GLU:OE1	1.50	1.08
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.08
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.08
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.08
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.08
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.52	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.08
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.08
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.08
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:HD12	1:C:767:LEU:HG	1.34	1.08
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.88	1.08
1:C:801:LEU:HD12	3:Z:17:LEU:HG	1.30	1.08
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.32	1.08
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.08
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.08
1:C:503:GLU:O	1:C:713:TYR:CZ	2.06	1.08
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.08
3:Z:5:GLN:CA	3:Z:8:ILE:CD1	2.29	1.08
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.08
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.08
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.08
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.08
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.08
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.08
1:C:437:TRP:HA	1:C:440:ARG:HE	1.10	1.08
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.08
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.08
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.08
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.08
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.08
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.08
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.08
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.08
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.08
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.08
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.08
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.08
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.52	1.08
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.08
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.08
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.08
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.08
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.08
1:C:503:GLU:HG3	1:C:761:PHE:HZ	0.98	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.52	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.82	1.08
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.08
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.08
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.08
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.08
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.08
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.66	1.08
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.08
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.08
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.08
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.08
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.08
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.08
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.08
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.08
1:C:335:PHE:CB	1:C:345:LYS:CD	2.28	1.08
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.08
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.08
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.08
1:C:507:TRP:H	1:C:754:ARG:NH1	1.07	1.08
1:C:507:TRP:N	1:C:754:ARG:NH1	1.81	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.08
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.08
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.08
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.08
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.08
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.08
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:163:MET:HG3	1:C:170:GLN:HG3	1.22	1.08
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.08
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.08
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.08
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.08
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.08
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.08
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.08
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.08
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.08
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.08
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.08
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.08
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.08
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.08
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.08
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.08
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.08
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.08
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.08
1:C:798:TYR:CZ	1:C:802:GLN:NE2	2.21	1.08
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.08
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.08
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.08
1:C:498:GLU:O	1:C:756:GLY:CA	2.01	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.08
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.08
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.08
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.08
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.08
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.08
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.08
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.08
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.08
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.08
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.08
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.08
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.08
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.08
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.08
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.08
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.08
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.08
1:C:500:TYR:HB2	1:C:754:ARG:CB	1.82	1.08
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.08
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.08
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.08
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.08
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.08
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.08
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.08
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.08
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.08
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.08
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.08
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.08
1:C:500:TYR:HB2	1:C:754:ARG:HB2	1.18	1.08
1:C:508:GLU:CA	1:C:751:ALA:HA	1.83	1.08
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.08
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.08
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.08
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.08
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.08
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.08
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.08
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.08
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.08
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.08
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.08
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.08
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.08
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.08
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.08
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.08
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.08
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.08
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.08
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.08
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.08
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.08
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.08
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.08
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.49	1.08
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.08
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.08
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.08
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.08
1:C:94:LEU:CD1	1:C:700:ILE:HG21	1.81	1.08
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.08
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.08
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.08
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.08
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.08
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.08
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.08
1:C:503:GLU:CB	1:C:759:LYS:O	1.87	1.08
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.08
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.08
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.08
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.26	1.08
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.08
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.08
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.08
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.08
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.08
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.08
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.08
1:C:500:TYR:HB2	1:C:754:ARG:HG3	1.15	1.08
1:C:508:GLU:CA	1:C:751:ALA:CB	2.32	1.08
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.88	1.08
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.15	1.08
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.08
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.08
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.08
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.08
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.83	1.08
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.08
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.08
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.08
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.08
1:C:275:GLN:HB3	1:C:279:GLU:OE2	1.48	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.08
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.08
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.08
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.08
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.08
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.08
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.08
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.08
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.08
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.08
1:C:279:GLU:OE1	1:C:279:GLU:O	1.70	1.08
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.08
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.08
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.08
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.08
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.08
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.08
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.08
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.08
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.08
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.08
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.08
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.08
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.08
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.08
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.08
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.08
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.08
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.08

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.08
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.08
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.08
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.08
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.08
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.08
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.08
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.08
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.08
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.08
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.08
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.08
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.08
1:C:491:HIS:HA	1:C:495:LEU:CD1	1.82	1.08
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.07
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.07
1:C:742:ILE:HG13	1:C:743:LEU:H	1.12	1.07
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.07
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.07
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.07
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.07
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.07
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.07
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
1:C:810:VAL:HG23	1:C:811:ILE:H	1.16	1.07
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.07
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.07
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.07
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.07
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.07
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.07
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.07
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.07
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.07
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:500:TYR:CE1	1:C:707:PHE:CD1	2.36	1.07
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.07
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.07
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.07
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.07
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.07
1:C:507:TRP:CZ3	1:C:707:PHE:HA	1.88	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.07
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.07
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.07
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.07
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.07
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.07
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.07
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.07
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.07
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.07
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.07
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.07
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.07
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.07
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.07
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.07
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.07
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.07
1:C:126:TYR:CD2	1:C:679:PRO:CB	2.32	1.07
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.07
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.07
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.07
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.07
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.07
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.07
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.07
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.07
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.07
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.07
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.07
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.07
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.07
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.07
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:505:ILE:HD13	1:C:766:VAL:CG1	1.82	1.07
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.07
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.07
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.07
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.07
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
1:C:536:GLU:HB2	1:C:547:PHE:HE1	1.04	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.07
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.07
1:C:478:ASN:HD21	1:C:582:HIS:CE1	1.69	1.07
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.07
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.00	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.07
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.07
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.07
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:498:GLU:O	1:C:754:ARG:C	1.97	1.07
1:C:505:ILE:CG1	1:C:762:PHE:HB2	1.83	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.07
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.07
2:Y:97:ASP:O	3:Z:124:GLU:HB3	1.53	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.07
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.07
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.07
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.07
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	1.07
1:C:279:GLU:OE1	1:C:279:GLU:O	1.70	1.07
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.07
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.07
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.07
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.07
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.07
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.52	1.07
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.07
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.07
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.07
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.07
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.07
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.66	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.07
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.07
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.07
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.07
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.07
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.07
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.07
1:C:395:LEU:O	1:C:395:LEU:CD2	2.00	1.07
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.07
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.07
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.07
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.07
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.07
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.07
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.07
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.07
1:C:800:LYS:HG3	1:C:804:GLN:CB	1.84	1.07
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.07
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.07
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.07
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.07
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.07
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.07
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.07
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.07
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.07
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.07
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.07
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.07
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.07
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.07
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.07
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.30	1.07
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.07
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.07
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.07
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.07
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.07
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.07
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.07
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.07
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:502:LYS:NZ	1:C:756:GLY:N	1.96	1.07
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.07
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.07
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.07
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.07
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.07
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.07
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.07
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.07
1:C:126:TYR:CD2	1:C:679:PRO:N	2.20	1.07
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.07
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.07
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.07
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.07
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.07
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.07
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.07
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.07
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.07
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.07
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.07
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.07
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.07
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.07
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.07
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.07
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.07
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.07
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.07
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.07
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.07
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.07
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
2:Y:99:GLN:HG3	3:Z:121:ASP:HB3	1.29	1.07
2:Y:100:GLU:HB2	3:Z:128:LEU:H	0.91	1.07
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.07
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.07
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:508:GLU:HB2	1:C:751:ALA:HB1	1.08	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
2:Y:101:THR:HG22	3:Z:127:LYS:H	1.13	1.07
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.07
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.07
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.66	1.07
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.07
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.07
1:C:370:GLU:CD	1:C:416:MET:HG3	1.77	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.07
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.07
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.07
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.07
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.07
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.07
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.07
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.07
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.07
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.07
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.07
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.07
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.07
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.07
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.07
1:C:502:LYS:O	1:C:757:THR:CG2	2.00	1.07
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.07
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.07
1:C:165:THR:CG2	1:C:719:ARG:HG3	1.84	1.07
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.07
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.07
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.07
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.07
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.07
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.07
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.07
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.07
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.07
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.07
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.07
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.07
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.07
1:C:32:LYS:HA	1:C:48:ILE:HD11	1.25	1.07
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.07
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.07
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.71	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.07
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.07
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.07
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.71	1.07
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.30	1.07
1:C:498:GLU:CD	1:C:755:LEU:HB2	1.79	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.71	1.07
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.07
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.07
2:Y:107:GLU:HG3	3:Z:120:GLU:OE1	1.54	1.07
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.07
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.07
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.07
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.07
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.07
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.07
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.07
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.07
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.07
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
1:C:688:LEU:HD23	1:C:688:LEU:C	1.75	1.07
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.07
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.07
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.07
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.07
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.07
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.71	1.07
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.07
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.07
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.07
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.07
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.07
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.07
1:C:503:GLU:CG	1:C:711:LEU:N	2.17	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.71	1.07
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.07
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.07
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.07
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.07
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.07
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.07
1:C:505:ILE:HD13	1:C:761:PHE:N	1.69	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.71	1.07
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.07
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.07
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.07
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.07
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.07
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.07
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.07
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
1:C:717:LYS:O	3:Z:88:GLU:CD	1.97	1.07
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.07
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.07
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.07
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.07
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.07
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.07
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.07
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.07
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.07
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.07
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.68	1.07
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.07
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.07
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.07
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.07
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.07
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.07
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	1.07
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.07
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.07
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.07
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	1.07
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.07
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.07
1:C:792:TYR:CE2	2:Y:99:GLN:NE2	2.23	1.07
2:Y:105:ASN:OD1	3:Z:118:SER:CB	2.02	1.07
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.07
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.49	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.07
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.07
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.84	1.07
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.82	1.07
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.07
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	1.07
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.07
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.84	1.07
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.07
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.07
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.07
1:C:249:ILE:CG1	1:C:456:ILE:CG2	2.31	1.07
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.07
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.07
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.53	1.07
1:C:810:VAL:HG23	1:C:811:ILE:H	1.16	1.07
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.07
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.07
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.07
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.07
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.07
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.07
2:Y:108:TYR:OH	3:Z:120:GLU:CG	2.03	1.07
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	1.07
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.07
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.07
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.07
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.07
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.07
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.07
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.07
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.07
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.71	1.07
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.07
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.07
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.07
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.07
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.07
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.07
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.07
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.07
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.07
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.07
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.07
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.07
1:C:503:GLU:HB3	1:C:756:GLY:N	1.69	1.07
1:C:800:LYS:CG	1:C:804:GLN:CB	2.00	1.07
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.07
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.07
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.07
1:C:499:GLU:CG	1:C:710:ARG:NH1	2.16	1.07
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.07
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.07
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.07
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.07
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.07
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.07
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.07
1:C:510:ILE:N	1:C:751:ALA:HB1	1.70	1.07
1:C:805:ARG:HD3	3:Z:21:TRP:CB	1.78	1.07
1:C:810:VAL:HG23	1:C:811:ILE:H	1.16	1.07
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.07
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.07
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.07
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.07
1:C:508:GLU:H	1:C:763:LYS:HB2	1.13	1.07
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.07
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.07
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.07
1:C:777:ARG:O	1:C:781:ILE:HG23	1.50	1.07
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.07
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.07
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.07
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.07
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.07
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.07
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.07
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.07
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.07
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.07
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.07
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.07
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.07
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.07
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.07
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.07
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.07
1:C:47:GLU:OE2	1:C:59:LYS:HB3	1.51	1.07
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.07
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.07
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.07
1:C:723:LEU:HA	1:C:777:ARG:CD	1.74	1.07
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.07
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.07
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.07
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.07
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.07
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.07
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.07
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.07
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.07
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.07
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.07
1:C:796:LYS:CE	3:Z:128:LEU:CD2	2.30	1.07
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.07
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.07
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.07
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.07
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.07
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:104:ARG:HE	1:C:682:VAL:CG2	1.65	1.07
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.07
1:C:437:TRP:HA	1:C:440:ARG:HE	1.09	1.07
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.07
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.07
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.84	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.07
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.07
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.07
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.07
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.84	1.07
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.07
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.07
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.84	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:370:GLU:OE1	1:C:416:MET:HG3	1.53	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
1:C:794:ILE:HG13	1:C:795:ARG:H	1.02	1.07
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.07
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.07
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.07
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:503:GLU:HB3	1:C:711:LEU:N	0.74	1.07
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.07
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.07
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.07
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.07
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.07
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.07
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.07
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.07
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.07
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.07
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.07
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.07
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.07
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.07
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.07
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.07
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.07
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.07
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.07
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.07
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.07
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.07
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.07
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.07
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.07
1:C:174:ILE:HA	1:C:668:VAL:HG23	1.26	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.07
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.07
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.84	1.07
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.49	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:395:LEU:O	1:C:395:LEU:CD2	2.01	1.07
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.07
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.07
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.07
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.52	1.07
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.07
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.07
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.07
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.07
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.07
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.07
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.07
1:C:165:THR:HG22	1:C:718:GLN:HB3	1.28	1.07
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.07
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.07
1:C:810:VAL:HG23	1:C:811:ILE:H	1.16	1.07
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.07
1:C:799:LYS:HG2	1:C:803:ASP:HB3	1.35	1.07
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.30	1.07
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.07
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.07
1:C:500:TYR:O	1:C:505:ILE:HG22	1.53	1.07
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.07
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.07
1:C:279:GLU:OE1	1:C:279:GLU:O	1.70	1.07
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.07
1:C:296:LEU:HD22	1:C:299:VAL:CG2	1.83	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.07
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.07
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.07
1:C:799:LYS:CG	1:C:803:ASP:HA	1.85	1.07
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.07
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.07
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.07
1:C:164:VAL:N	1:C:774:ARG:CD	2.17	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.07
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.07
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.07
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.07
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.07
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.07
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.07
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.07
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.07
1:C:506:ALA:CB	1:C:767:LEU:HG	1.85	1.07
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
1:C:796:LYS:CE	2:Y:98:GLU:CG	2.27	1.07
1:C:796:LYS:NZ	2:Y:98:GLU:CB	2.08	1.07
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.07
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.51	1.07
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.07
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.07
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.07
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.07
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.07
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.07
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.07
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.07
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.07
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.07
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.07
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.07
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.07
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.07
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.07
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.07
1:C:503:GLU:HB3	1:C:711:LEU:H	1.05	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.07
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.07
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.07
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.07
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.07
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.07
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.07
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.07
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.07
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.07
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.07
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.07
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.07
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.07
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.07
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.64	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:293:ILE:CD1	1:C:328:PHE:CZ	2.36	1.07
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.07
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.07
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.68	1.07
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.07
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.07
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.07
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.07
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.07
1:C:350:LYS:HZ2	1:C:386:LEU:HG	0.99	1.07
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.07
1:C:350:LYS:HZ2	1:C:386:LEU:HG	0.99	1.07
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.07
1:C:800:LYS:CE	1:C:804:GLN:HG2	1.83	1.07
2:Y:101:THR:HG21	3:Z:126:ILE:HG12	1.32	1.07
2:Y:138:LYS:CD	3:Z:123:ASP:HB3	1.84	1.07
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.07
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.07
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.07
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.07
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.07
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.07
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.07
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.07
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.07
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.07
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.07
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.07
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.34	1.07
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.07
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.07
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.07
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.07
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.07
1:C:350:LYS:HZ2	1:C:386:LEU:HG	0.99	1.07
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.49	1.07
1:C:491:HIS:CA	1:C:495:LEU:HD12	1.83	1.07
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.07
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.07
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.07
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.07
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.48	1.07
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.07
1:C:711:LEU:CD2	1:C:719:ARG:HH22	1.65	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.07
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.07
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.07
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.07
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.07
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.07
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.84	1.07
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.07
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.07
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.07
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.07
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.07
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.07
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.07
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.07
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.07
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.07
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.07
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.07
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.07
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.07
1:C:350:LYS:HZ2	1:C:386:LEU:HG	0.99	1.07

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.07
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.07
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.07
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.07
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.07
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
1:C:243:PHE:HB3	1:C:267:LEU:HD23	1.16	1.06
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.06
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.00	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.06
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.06
1:C:293:ILE:O	1:C:293:ILE:HG12	1.39	1.06
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.06
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.06
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.06
1:C:140:TYR:HD2	1:C:153:PHE:CB	1.63	1.06
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.37	1.06
1:C:501:LYS:CB	1:C:750:PRO:O	2.03	1.06
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.06
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.06
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.06
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.06
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.06
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.06
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.37	1.06
1:C:494:ILE:HD11	1:C:755:LEU:HG	1.22	1.06
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.06
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.37	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.30	1.06
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.06
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.89	1.06
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.31	1.06
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.06
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.06
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.06
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.06
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.06
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.65	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.06
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.06
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.06
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.06
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.37	1.06
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.06
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:275:GLN:CB	1:C:279:GLU:OE2	2.01	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.53	1.06
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.06
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.06
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.06
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.06
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.06
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.06
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.06
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.37	1.06
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.06
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.06
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.06
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.06
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.06
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.37	1.06
1:C:799:LYS:HG2	1:C:803:ASP:CB	1.83	1.06
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.06
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.06
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.06
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.06
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.06
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.06
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.06
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.06
1:C:728:ILE:HD11	3:Z:84:ALA:HB2	1.28	1.06
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.06
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.06
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.06
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.06
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.06
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.06
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.06
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.06
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.06
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.06
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.06
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.06
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.06
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.06
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.06
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.06
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.06
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.06
1:C:807:GLY:HA3	2:Y:95:MET:HE1	1.14	1.06
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.06
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.06
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.06
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.06
1:C:788:HIS:CE1	3:Z:149:MET:HA	1.87	1.06
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.06
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.06
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:799:LYS:HG3	1:C:803:ASP:HB3	1.31	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.06
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.06
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.06
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.06
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.06
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.06
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.06
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.06
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.06
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.06
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.11	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.06
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.06
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.06
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.06
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
2:Y:99:GLN:HG2	3:Z:128:LEU:HA	1.16	1.06
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.06
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.84	1.06
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.06
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.06
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.06
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.06
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.06
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.84	1.06
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.06
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.06
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.06
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	0.99	1.06
1:C:479:TYR:OH	1:C:524:GLU:HB2	1.52	1.06
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.06
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.06
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.06
1:C:56:ILE:HD11	1:C:58:VAL:HG13	1.30	1.06
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.06
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
1:C:502:LYS:HA	1:C:713:TYR:CZ	1.89	1.06
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.06
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.06
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.06
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.06
1:C:7:ASP:HB2	1:C:9:ASP:OD1	1.51	1.06
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.06
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.06
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.06
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.06
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.06
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.06
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.06
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.06
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.06
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.06
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.06
1:C:119:PHE:CD2	1:C:667:PHE:CB	2.36	1.06
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.06
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.06
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.06
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.06
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.06
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.06
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.06
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.06
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.06
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:461:ILE:C	1:C:462:ALA:N	2.12	1.06
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:552:TYR:HE1	1:C:556:MET:HE3	0.95	1.06
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.06
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.06
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.06
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.06
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.06
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.06
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.06
2:Y:40:ILE:HG13	2:Y:41:LYS:H	1.09	1.06
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.06
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.06
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.06
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.06
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.06
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.06
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.06
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.06
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.06
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.06
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.06
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.06
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.06
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.06
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.06
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.06
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.06
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.06
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.06
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.06
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.06
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.06
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.06
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.06
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.06
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.06
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.06
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.06
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.49	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.06
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.06
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.06
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.06
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.06
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.06
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.06
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.06
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.06
2:Y:141:TYR:CB	3:Z:127:LYS:CE	2.33	1.06
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.06
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.06
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.06
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.06
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.06
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.06
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.06
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.06
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.06
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.06
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.06
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.06
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.06
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.06
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.06
1:C:799:LYS:HG2	1:C:803:ASP:HA	1.06	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.84	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.06
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.06
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.06
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.06
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.06
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.06
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.06
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.06
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.06
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.06
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.06
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.06
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.06
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:506:ALA:N	1:C:754:ARG:CB	1.97	1.06
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.06
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.06
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.06
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.06
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.06
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.06
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.06
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.06
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.06
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.06
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.06
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.06
1:C:805:ARG:HB2	3:Z:21:TRP:HE3	1.09	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.06
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.06
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.06
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.06
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.06
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.06
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.06
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.06
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.06
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.06
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.06
1:C:723:LEU:HD23	1:C:777:ARG:HE	0.95	1.06
1:C:804:GLN:CD	3:Z:21:TRP:HH2	1.62	1.06
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.06
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.06
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.06
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.06
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.06
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.06
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.06
2:Y:100:GLU:O	3:Z:126:ILE:HG12	0.92	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.06
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.06
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.06
1:C:505:ILE:HD11	1:C:754:ARG:HE	0.93	1.06
1:C:8:PRO:HD3	3:Z:115:GLU:HG2	1.07	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.30	1.06
1:C:195:LYS:HE3	3:Z:108:HIS:ND1	1.68	1.06
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.06
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.06
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.06
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.06
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.06
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.06
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.06
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.06
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.06
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.06
1:C:800:LYS:CA	1:C:803:ASP:OD1	2.03	1.06
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.06
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.06
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.06
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.06
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.06
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.06
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.06
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.06
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.06
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.06
1:C:282:TYR:CE2	1:C:284:ILE:HB	1.88	1.06
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:32:LYS:HA	1:C:48:ILE:HD13	1.30	1.06
1:C:138:ALA:O	3:Z:113:LEU:CD1	2.03	1.06
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.06
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.11	1.06
2:Y:106:ILE:HA	2:Y:109:ILE:CD1	1.83	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.06
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.06
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.06
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.06
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.06
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.68	1.06
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.06
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.30	1.06
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.06
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.06
1:C:126:TYR:CD2	1:C:679:PRO:N	2.21	1.06
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.06
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.06
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.06
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.06
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.06
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.06
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.06
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.06
1:C:800:LYS:HG2	1:C:804:GLN:HB2	1.08	1.06
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.06
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.06
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.06
1:C:810:VAL:HG23	1:C:811:ILE:H	1.16	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.06
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.06
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.06
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.06
1:C:508:GLU:CG	1:C:752:GLU:OE2	2.03	1.06
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.06
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.06
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.06
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.53	1.06
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.06
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.06
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.06
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.06
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.53	1.06
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.06
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.06
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.36	1.06
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.06
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.06
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.06
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.06
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.06
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.06
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.63	1.06
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.06
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.06
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.06
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.06
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.06
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.06
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.06
1:C:503:GLU:OE1	1:C:759:LYS:CG	2.02	1.06
1:C:742:ILE:HG13	1:C:743:LEU:H	1.11	1.06
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
3:Z:131:LEU:CD1	3:Z:144:PHE:HD1	1.62	1.06
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.06
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.06
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.06
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.06
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.06
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.06
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.06
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.06
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.06
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.06
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.06
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.06
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.06
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.06
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.06
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.06
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.06
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.06
2:Y:27:ILE:HD11	2:Y:35:VAL:HG12	1.16	1.06
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.06
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.06
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.06
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.06
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.06
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.06
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.06
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.06
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.06
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.06
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.06
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.06
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.84	1.06
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:503:GLU:HB2	1:C:760:VAL:O	0.89	1.06
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.06
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.06
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.06
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.06
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.84	1.06
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:497:GLN:O	1:C:754:ARG:NE	1.88	1.06
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.06
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
1:C:505:ILE:CD1	1:C:754:ARG:CB	2.30	1.06
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.06
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.06
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.06
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.06
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.06
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.84	1.06
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.06
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.06
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.06
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.06
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.06
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.06
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.06
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.06
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.06
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.06
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.06
1:C:165:THR:HG21	1:C:719:ARG:CG	1.86	1.06
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.06
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.06
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.06
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.06
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.84	1.06
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:CA	1:C:668:VAL:CG2	2.32	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.06
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.06
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.06
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.06
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.06
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.06
1:C:129:LEU:HD22	1:C:131:ILE:H	0.94	1.06
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.06
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.06
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.06
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.06
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.06
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.06
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.06
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.06
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.06
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.06
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.06
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.06
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.06
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.06
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.06
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.06
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.06
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.06
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.06
1:C:503:GLU:CD	1:C:759:LYS:CD	2.25	1.06
1:C:506:ALA:CB	1:C:766:VAL:HG23	1.84	1.06
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.08	1.06
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.06
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.06
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.06
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.06
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.84	1.06
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.06
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.30	1.06
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.06
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.06
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.06
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.06
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.06
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.06
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.06
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.06
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.06
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.06
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.06
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.06
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.06
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.06
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:479:TYR:CD1	1:C:523:ILE:HG21	1.89	1.06
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.06
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.06
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.06
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.06
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.06
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.06
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.06
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.06
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.06
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.06
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.06
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.06
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.06
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.06
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.06
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.06
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.06
1:C:242:ARG:HH22	1:C:282:TYR:CB	1.67	1.06
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.06
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.06
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.93	1.06
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.93	1.06
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.06
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.06
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
1:C:464:PHE:HB2	1:C:583:TYR:OH	1.53	1.06
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.06
2:Y:35:VAL:HG22	2:Y:67:LEU:HB3	1.15	1.06
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.06
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.06
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.06
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.06
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.06
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.06
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.06
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.06
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.06
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.06
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.93	1.06
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.06
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.06
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.06
1:C:599:LYS:O	1:C:600:ASP:O	1.70	1.06
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.06
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.06
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.06
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.06
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.06
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.06
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.06
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.06
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.06
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.06

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.06
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.06
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.06
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.06
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.06
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.06
1:C:165:THR:HB	1:C:715:GLU:HA	1.36	1.06
1:C:192:TYR:HE1	1:C:193:LEU:CB	1.47	1.06
1:C:280:ARG:CD	1:C:286:TYR:CE1	2.37	1.06
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.06
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.06
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.06
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.93	1.06
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.06
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.06
1:C:503:GLU:CG	1:C:761:PHE:CZ	2.34	1.05
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.05
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.05
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.05
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.05
1:C:801:LEU:HD21	3:Z:21:TRP:CZ3	1.90	1.05
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.05
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.05
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.05
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.05
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.05
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.05
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.05
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.05
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.05
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.05
1:C:502:LYS:HG3	1:C:758:THR:N	1.68	1.05
1:C:504:GLY:HA3	1:C:711:LEU:O	1.33	1.05
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.05
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.05
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.05
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.05
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.05
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.05
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.05
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.05
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.05
1:C:94:LEU:HD11	1:C:700:ILE:CG2	1.83	1.05
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.05
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.05
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.05
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.05
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.05
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.05
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.05
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.05
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.05
1:C:505:ILE:O	1:C:755:LEU:HB2	1.56	1.05
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.32	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.05
1:C:810:VAL:HG23	1:C:811:ILE:H	1.16	1.05
1:C:36:VAL:HG23	1:C:67:ARG:NH2	1.68	1.05
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.05
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:799:LYS:HG2	1:C:803:ASP:OD2	1.29	1.05
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.05
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.05
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.05
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.05
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.70	1.05
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.05
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.05
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.05
1:C:599:LYS:O	1:C:600:ASP:O	1.71	1.05
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.05
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.05
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.05
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.05
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.05
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.05
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.05
2:Y:101:THR:HB	3:Z:126:ILE:CG1	1.81	1.05
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.05
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.05
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.05
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.05
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.05
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.05
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.05
1:C:802:GLN:HG2	3:Z:17:LEU:HD12	1.37	1.05
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.05
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.05
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.05
1:C:505:ILE:HG12	1:C:754:ARG:CB	1.84	1.05
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.05
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.05
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.05
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.05
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.05
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.05
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.05
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.05
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.05
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.05
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.05
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.05
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.05
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.91	1.05
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.05
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.51	1.05
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.35	1.05
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.05
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.05
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.05
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.05
1:C:70:LYS:HB3	1:C:73:ASP:OD2	1.52	1.05
1:C:144:ARG:HE	1:C:773:MET:N	1.30	1.05
1:C:810:VAL:HG23	1:C:811:ILE:H	1.16	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.05
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.05
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.05
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.05
1:C:723:LEU:C	1:C:777:ARG:HH21	1.62	1.05
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.05
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.05
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.05
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.05
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.05
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.05
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.05
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.05
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.05
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.05
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.05
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.05
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.05
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.05
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.05
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.05
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.39	1.05
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.05
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.05
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.05
1:C:449:LYS:CD	3:Z:138:ASN:HD21	1.47	1.05
1:C:805:ARG:HD3	3:Z:17:LEU:HA	1.33	1.05
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.05
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.05
1:C:507:TRP:CZ2	1:C:707:PHE:CE2	2.43	1.05
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.05
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.05
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.05
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.39	1.05
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.05
1:C:742:ILE:HG13	1:C:743:LEU:H	1.12	1.05
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.05
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.05
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.05
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.05
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.05
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.05
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.05
1:C:742:ILE:HG13	1:C:743:LEU:H	1.12	1.05
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.05
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.05
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.05
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.05
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.05
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.05
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.05
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.05
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.05
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.05
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.05
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.05
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.05
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.05
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.05
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.05
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.05
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.05
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.05
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.05
1:C:219:ILE:HG13	1:C:220:ILE:H	1.00	1.05
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.05
1:C:499:GLU:OE1	1:C:759:LYS:CG	2.03	1.05
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.05
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.05
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.05
3:Z:94:ASP:OD1	3:Z:100:PHE:O	1.70	1.05
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.05
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.05
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.05
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.05
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.05
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.05
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.05
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.05
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.05
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.05
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.05
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.05
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.05
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.05
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.05
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.05
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.05
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.05
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.05
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.05
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.05
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.05
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.05
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.05
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.05
1:C:800:LYS:O	1:C:802:GLN:N	1.89	1.05
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.05
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.05
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.05
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.05
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	1.05
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.11	1.05
1:C:144:ARG:NH1	1:C:720:TYR:CD1	2.23	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.05
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.05
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.05
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.05
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.05
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.49	1.05
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.05
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.05
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.05
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:502:LYS:HB3	1:C:757:THR:H	1.15	1.05
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.05
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.05
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.05
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.05
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.37	1.05
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.05
1:C:13:LEU:CD1	1:C:131:ILE:CD1	2.32	1.05
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.93	1.05
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.05
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.05
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.05
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.05
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.05
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.05
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.05
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.05
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.05
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.05
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.05
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.05
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.05
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.05
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.05
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.05
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.05
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.05
2:Y:138:LYS:HD3	3:Z:123:ASP:HB2	1.29	1.05
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.05
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.05
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.05
1:C:800:LYS:HA	1:C:803:ASP:OD2	1.54	1.05
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.05
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.05
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.05
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.05
1:C:704:ARG:CG	1:C:764:ALA:HB3	1.85	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
1:C:124:ASN:HD21	1:C:673:PRO:CD	1.66	1.05
1:C:246:PHE:CD1	1:C:459:LEU:HD21	1.90	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.05
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.05
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.05
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.05
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.05
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.05
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.05
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.05
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.05
1:C:258:ALA:HB1	3:Z:101:ILE:HG13	1.35	1.05
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.05
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.63	1.05
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.05
1:C:507:TRP:CE3	1:C:707:PHE:HA	1.90	1.05
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.05
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.05
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.05
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.05
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.05
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.05
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.05
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.05
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.05
1:C:94:LEU:HD11	1:C:700:ILE:HG21	1.12	1.05
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.05
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.05
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.05
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.05
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.22	1.05
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.26	1.05
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.05
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.05
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.05
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.05
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.05
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.05
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.05
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.05
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.05
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.05
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.05
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.05
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.84	1.05
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.05
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.05
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.05
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.05
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.05
3:Z:110:LEU:O	3:Z:117:LEU:HD12	1.53	1.05
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.05
1:C:742:ILE:HG13	1:C:743:LEU:H	1.12	1.05
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.05
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.05
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.30	1.05
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.05
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.05
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.05
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.05
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.05
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.05
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.05
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.05
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.05
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.05
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.05
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.05
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.05
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.05
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.05
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.05
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.05
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.05
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.05
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.05
1:C:140:TYR:CD1	1:C:141:ARG:N	2.21	1.05
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.05
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.22	1.05
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.05
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.05
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.05
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.05
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.05
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.05
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.05
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.05
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.05
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.05
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.22	1.05
1:C:5:PHE:HE2	1:C:783:SER:HB3	1.21	1.05
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.05
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.91	1.05
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.05
1:C:799:LYS:C	1:C:804:GLN:N	2.11	1.05
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.05
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.05
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.05
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.05
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.05
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.05
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.05
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.05
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.05
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.35	1.05
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.05
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.05
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.05
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.05
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.05
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.05
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.05
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.05
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.05
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.05
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.90	1.05
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.05
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.05
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.05
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.05
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.05
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.05
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.05
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.05
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.05
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.05
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.05
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.05
2:Y:100:GLU:O	3:Z:129:THR:N	1.90	1.05
2:Y:138:LYS:CG	3:Z:123:ASP:CB	2.33	1.05
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.05
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.05
1:C:498:GLU:HB2	1:C:761:PHE:CE1	1.90	1.05
1:C:534:GLU:CD	1:C:646:SER:HB2	1.79	1.05
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.05
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.05
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.05
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.05
1:C:704:ARG:CG	1:C:764:ALA:CB	2.34	1.05
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	1.05
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.05
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.05
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.05
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	1.05
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.05
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.85	1.05
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.05
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.05
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.05
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.05
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.05
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.05
1:C:448:THR:CG2	3:Z:102:SER:HB3	1.87	1.05
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.05
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.05
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	1.05
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.05
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.85	1.05
1:C:510:ILE:HG23	1:C:763:LYS:HD2	1.39	1.05
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.05
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.05
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.05
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.05
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.05
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	1.05
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.05
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.85	1.05
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.05
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.05
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.05
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.05
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.05
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.05
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.05
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.05
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.05
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.05
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.05
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.05
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.91	1.05
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.05
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.05
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.05
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.05
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.32	1.05
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.05
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.05
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.05
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	1.05
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.05
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.85	1.05
1:C:502:LYS:O	1:C:713:TYR:CE2	2.08	1.05
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.05
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.05
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.63	1.05
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.05
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.05
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.05
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.05
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.05
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.05
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.05
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.05
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.05
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	1.05
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.05
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.85	1.05
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.05
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.05
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.05
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.05
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.05
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.05
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.05
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	1.05
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.05
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.85	1.05
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.05
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.05
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.05
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.05
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.05
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.05
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.05
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.05
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.05
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.05
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.05
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.05
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.05
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.05
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.05
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.05
1:C:502:LYS:HB3	1:C:756:GLY:C	1.80	1.05
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.05
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.05
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.05
3:Z:122:VAL:O	3:Z:126:ILE:HG23	1.53	1.05
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.05
1:C:174:ILE:HD12	1:C:182:LYS:HG2	1.35	1.05
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.05
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.05
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.05
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.05
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.05
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.05
1:C:467:PHE:CE2	1:C:468:ASP:HB2	1.89	1.05
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.05
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.05
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.05
1:C:505:ILE:HD12	1:C:753:TYR:CA	1.64	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.05
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.05
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.05
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.05
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.05
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.05
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.05
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.05
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.91	1.05
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.05
1:C:275:GLN:CB	1:C:279:GLU:CD	2.28	1.05
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.05
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.05
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.05
2:Y:138:LYS:HZ3	3:Z:126:ILE:HD13	1.16	1.05
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.05
1:C:505:ILE:CG1	1:C:766:VAL:CG2	2.12	1.05
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	1.05
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.05
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.05
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.05
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.05
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.05
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.05
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.91	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
1:C:452:ARG:CD	3:Z:96:GLU:H	1.69	1.05
1:C:454:TYR:CE1	3:Z:92:THR:CG2	2.25	1.05
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.05
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.05
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CZ	3:Z:141:TYR:CB	2.37	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.91	1.05
1:C:503:GLU:HG3	1:C:710:ARG:HB2	1.37	1.05
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.91	1.05
1:C:503:GLU:HB2	1:C:710:ARG:HB3	1.34	1.05
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.05
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.05
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.05
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.05
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.05
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.05
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.05
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.05
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.05
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.05
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.91	1.05
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.05
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.91	1.05
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.05
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.05
3:Z:98:GLN:HE22	3:Z:100:PHE:CB	1.67	1.05
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.05
1:C:805:ARG:HB2	3:Z:21:TRP:CE3	1.91	1.05
1:C:805:ARG:CB	3:Z:21:TRP:CE3	2.40	1.05
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.05
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.05
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.05
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.05
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.91	1.05
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.05
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.05
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.05
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.05
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.05
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.05
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.05
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.93	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.05
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.05
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.05
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.05
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.05
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	1.05
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.05
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.05
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.05
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.05
1:C:499:GLU:HB3	1:C:710:ARG:HD3	1.11	1.05
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.05
1:C:503:GLU:HB3	1:C:710:ARG:C	1.82	1.05
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.05
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.05
1:C:800:LYS:O	1:C:801:LEU:C	2.00	1.05
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.05
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.05
2:Y:105:ASN:CG	3:Z:120:GLU:N	2.12	1.05
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.05
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.05
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.05
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.05
1:C:144:ARG:HB3	1:C:774:ARG:HD3	1.35	1.05
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.05
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.05
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.05
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.05
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.05
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.05
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.05
1:C:501:LYS:O	1:C:755:LEU:CB	1.95	1.05
1:C:506:ALA:N	1:C:761:PHE:O	1.67	1.05
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.05
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.05
1:C:651:GLU:HA	1:C:654:ASN:OD1	1.52	1.05
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.05
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.05
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.05
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.05
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.05

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.05
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.05
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.05
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.93	1.05
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.05
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.05
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.05
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.05
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.05
1:C:500:TYR:CD2	1:C:707:PHE:HB2	1.91	1.05
1:C:507:TRP:HZ3	1:C:706:GLY:O	1.40	1.05
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.05
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.04
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.04
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.04
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.04
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.91	1.04
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.04
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.04
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.04
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.04
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.04
3:Z:98:GLN:O	3:Z:98:GLN:HG2	1.31	1.04
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.04
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.04
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.04
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.04
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.04
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.04
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.04
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.04
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.04
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.04
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.04
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.04
1:C:256:LYS:CD	3:Z:109:VAL:CA	2.35	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.04
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.53	1.04
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.04
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.04
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.04
1:C:495:LEU:CD2	1:C:756:GLY:H	1.53	1.04
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.04
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.04
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.04
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.04
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.04
1:C:504:GLY:N	1:C:711:LEU:O	1.69	1.04
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.04
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.04
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.04
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.04
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.04
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.04
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.04
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.04
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.30	1.04
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.04
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.04
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.04
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.04
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.04
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.04
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.04
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.04
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.30	1.04
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.04
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.04
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.04
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.04
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.04
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.04
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.04
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.04
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
1:C:505:ILE:HD11	1:C:766:VAL:HG11	1.36	1.04
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.04
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.04
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.04
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.04
1:C:505:ILE:HD11	1:C:761:PHE:HB2	1.37	1.04
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.26	1.04
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.04
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.04
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.04
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.04
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.04
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.04
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.04
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.04
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.49	1.04
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.04
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.04
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.04
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.04
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.04
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.04
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.04
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.04
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
1:C:800:LYS:NZ	1:C:804:GLN:HA	1.69	1.04
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.04
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.04
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.26	1.04
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.04
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.04
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.04
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.04
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.04
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.04
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.04
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.04
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.04
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.04
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.04
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.04
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.04
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.26	1.04
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.04
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.04
1:C:505:ILE:CB	1:C:761:PHE:CA	2.34	1.04
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.04
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.04
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.04
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.04
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.22	1.04
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.04
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.04
1:C:800:LYS:C	1:C:801:LEU:HA	1.81	1.04
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.04
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.04
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.04
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.04
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.04
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.04
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.04
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.26	1.04
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.04
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.04
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.37	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.04
1:C:806:ILE:HG13	1:C:807:GLY:H	1.23	1.04
3:Z:42:ILE:CD1	3:Z:44:PRO:CG	2.33	1.04
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.04
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.04
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.04
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.04
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.04
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.04
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.04
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.04
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.04
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.04
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.04
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.04
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.31	1.04
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.04
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.04
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.04
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.91	1.04
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.04
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.04
1:C:507:TRP:O	1:C:753:TYR:HB3	1.57	1.04
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.30	1.04
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.04
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.91	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.04
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.04
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.04
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.04
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.04
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.04
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.04
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.91	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.04
1:C:810:VAL:HG23	1:C:811:ILE:H	1.16	1.04
1:C:717:LYS:CD	1:C:738:VAL:HG21	1.85	1.04
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.04
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.04
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.04
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.04
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.04
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.53	1.04
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.04
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.04
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.04
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.04
1:C:725:PRO:HG3	3:Z:85:ASP:OD1	1.54	1.04
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.04
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.04
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.04
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.04
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.04
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.04
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.04
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.04
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.04
2:Y:98:GLU:HB2	3:Z:128:LEU:CD2	1.86	1.04
2:Y:99:GLN:HG3	3:Z:127:LYS:CG	1.86	1.04
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.04
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.04
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04
2:Y:103:LYS:N	3:Z:123:ASP:OD2	1.90	1.04
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.04
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.04
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.04
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.04
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.04
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.04
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.22	1.04
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.04
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.04
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.04
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04
1:C:805:ARG:CB	3:Z:21:TRP:HZ3	1.59	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.04
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.04
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.04
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.04
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.04
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.04
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.04
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.04
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.04
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.04
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.04
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.04
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04
2:Y:101:THR:CG2	3:Z:125:ILE:CG1	2.27	1.04
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.04
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.04
1:C:497:GLN:C	1:C:761:PHE:CG	2.34	1.04
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.04
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.04
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.04
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.04
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.04
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.04
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.04
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.04
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.04
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.04
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.04
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.04
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.04
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.04
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.04
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.04
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.04
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.04
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.04
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.04
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.04
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.04
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.04
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.04
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.04
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.04
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.04
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.04
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.04
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.04
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.04
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.04
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.04
1:C:504:GLY:O	1:C:755:LEU:CG	2.04	1.04
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.04
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.04
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.04
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.04
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.04
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.04
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.04
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.04
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.04
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.04
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.04
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.04
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.04
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.04
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.04
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.04
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.04
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
1:C:806:ILE:HG13	1:C:807:GLY:H	1.23	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.04
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.04
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.04
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:504:GLY:C	1:C:755:LEU:CB	2.31	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.04
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.04
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.04
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.04
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.04
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.04
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.93	1.04
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.04
1:C:129:LEU:HD22	1:C:131:ILE:N	1.72	1.04
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.04
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.04
1:C:507:TRP:HZ3	1:C:706:GLY:C	1.63	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.04
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.04
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.04
1:C:505:ILE:N	1:C:754:ARG:O	1.90	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.04
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.04
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.04
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.04
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.04
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.04
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.04
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.04
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:502:LYS:CB	1:C:757:THR:H	1.42	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.04
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.04
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.04
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.04
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.04
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.04
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.04
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.04
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.04
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	1.04
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.04
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.04
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.04
1:C:281:ASN:CG	1:C:312:ILE:CD1	2.27	1.04
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.04
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.68	1.04
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.04
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.04
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.04
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.09	1.04
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.04
1:C:508:GLU:HG3	1:C:751:ALA:HB2	1.07	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.04
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.04
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.04
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.04
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.04
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.04
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.04
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.04
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.04
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.04
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.04
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
1:C:800:LYS:HG2	1:C:804:GLN:HB2	1.37	1.04
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.04
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.04
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.04
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.93	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.04
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.04
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.04
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.04
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.04
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.04
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.04
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.04
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.04
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.04
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.04
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.04
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.04
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
1:C:712:ILE:HG22	1:C:759:LYS:HE2	1.11	1.04
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.04
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.04
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.04
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.04
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.04
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.04
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.04
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.04
1:C:472:PHE:CD1	1:C:594:TRP:CH2	2.44	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.04
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.04
1:C:129:LEU:HD22	1:C:131:ILE:N	1.72	1.04
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	1.04
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.04
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.04
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	1.04
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.04
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.04
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.04
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.04
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.04
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.04
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.04
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.04
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.04
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.04
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.04
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:CE	2:Y:98:GLU:HB2	1.87	1.04
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.04
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.04
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.04
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.04
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.04
1:C:129:LEU:HD22	1:C:131:ILE:N	1.72	1.04
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	1.04
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.04
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.04
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.04
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.04
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.04
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.04
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.04
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.04
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.04
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.04
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.04
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.04
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.04
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.04
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.04
1:C:129:LEU:HD22	1:C:131:ILE:N	1.72	1.04
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	1.04
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.04
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.04
1:C:246:PHE:CD1	1:C:459:LEU:CD2	2.38	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.04
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.04
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.04
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.04
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.04
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.04
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.04
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.04
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.04
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.04
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.37	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.04
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.04
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.04
1:C:129:LEU:HD22	1:C:131:ILE:N	1.72	1.04
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	1.04
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.04
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.04
1:C:497:GLN:O	1:C:761:PHE:HB2	0.88	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.04
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.04
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.04
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.04
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.04
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.04
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.04
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.04
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.04
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.04
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.04
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.04
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.04
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.04
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.04
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.04
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.04
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.04
1:C:165:THR:OG1	1:C:770:LEU:O	1.74	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.04
1:C:498:GLU:OE1	1:C:755:LEU:CB	2.04	1.04
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.04
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.04
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.04
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.04
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.04
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.04
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.04
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.04
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.04
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.04
1:C:799:LYS:HG2	1:C:803:ASP:HB3	1.09	1.04
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.04
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.04
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.04
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.04
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.04
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.04
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.04
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.04
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.04
1:C:806:ILE:HG13	1:C:807:GLY:H	1.23	1.04
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.04
1:C:505:ILE:CG1	1:C:506:ALA:H	1.65	1.04
1:C:508:GLU:HB2	1:C:751:ALA:CB	1.88	1.04
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.04
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.04
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.04
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.04
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.04
1:C:799:LYS:HG2	1:C:803:ASP:HB3	1.32	1.04
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.04
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.04
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.04
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.04
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.04
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.04
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.04
2:Y:99:GLN:HG3	3:Z:127:LYS:HB3	1.39	1.04
3:Z:98:GLN:HE22	3:Z:100:PHE:HB3	1.11	1.04
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:500:TYR:HE1	1:C:707:PHE:HB2	0.90	1.04
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
2:Y:40:ILE:HG12	2:Y:56:LEU:HD21	1.29	1.04
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.04
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.04
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.04
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.04
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.04
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.04
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.04
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.04
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.04
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.04
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.04
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.04
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.04
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.04
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.04
1:C:799:LYS:O	1:C:803:ASP:OD1	1.74	1.04
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.04
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.04
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.04
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.04
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.92	1.04
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.04
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.04
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.04
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.04
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.04
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.04
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.04
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.04
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.04
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.04
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.04
1:C:798:TYR:CD2	1:C:802:GLN:CG	2.41	1.04
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.04
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.04
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.04
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.04
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.04
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.04
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.04
1:C:810:VAL:HG23	1:C:811:ILE:H	1.15	1.04
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.04
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.04
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.04
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.04
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.04
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.04
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.04
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.04
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.04

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.03
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.03
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.03
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.03
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.03
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.03
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.03
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.03
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.03
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.03
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.03
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.03
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.03
1:C:799:LYS:CB	1:C:803:ASP:HB3	1.82	1.03
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.03
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.03
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.03
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.03
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.03
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.03
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.03
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.03
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.03
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.03
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.03
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.03
1:C:509:PHE:C	1:C:751:ALA:HA	1.80	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.03
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.03
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.03
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.03
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.03
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.03
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.03
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.03
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.03
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.37	1.03
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.03
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.03
1:C:500:TYR:C	1:C:761:PHE:H	1.64	1.03
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.03
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.03
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.03
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.03
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.03
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.03
1:C:506:ALA:HB3	1:C:766:VAL:HG11	1.08	1.03
1:C:508:GLU:HA	1:C:751:ALA:HA	1.36	1.03
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.03
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.03
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.03
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.03
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.03
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.03
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.03
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.03
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.03
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.03
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.03
1:C:124:ASN:OD1	1:C:673:PRO:HD2	1.50	1.03
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.81	1.03
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.03
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.03
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.03
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.03
1:C:503:GLU:C	1:C:760:VAL:HA	1.82	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.03
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.03
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.32	1.03
1:C:144:ARG:NH1	1:C:770:LEU:HD22	1.70	1.03
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.03
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.03
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.03
1:C:807:GLY:CA	2:Y:95:MET:HE1	1.86	1.03
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.86	1.03
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.03
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.03
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.03
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.03
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.03
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.03
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.03
3:Z:5:GLN:O	3:Z:8:ILE:HD13	1.54	1.03
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.03
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.94	1.03
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.03
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.03
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.03
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	1.03
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.22	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.88	1.03
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.03
2:Y:121:ASN:ND2	2:Y:124:GLU:HG3	1.40	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.03
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
1:C:801:LEU:HD11	3:Z:21:TRP:CE3	1.92	1.03
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.68	1.03
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.03
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.03
1:C:129:LEU:HD22	1:C:131:ILE:N	1.72	1.03
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.03
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.03
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:451:LYS:CD	3:Z:141:TYR:HB3	1.88	1.03
1:C:503:GLU:CD	1:C:755:LEU:O	1.99	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.03
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:500:TYR:HD2	1:C:761:PHE:HB3	1.21	1.03
1:C:508:GLU:HG2	1:C:752:GLU:OE2	1.53	1.03
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.03
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.03
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.03
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.03
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.03
3:Z:46:ASN:ND2	3:Z:47:GLU:H	1.53	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.03
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.03
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.03
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.03
3:Z:98:GLN:NE2	3:Z:100:PHE:HB3	1.70	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.03
1:C:800:LYS:O	1:C:803:ASP:OD1	1.77	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.03
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.03
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:503:GLU:HB2	1:C:761:PHE:CD1	1.92	1.03
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.03
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.03
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.03
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.03
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.03
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.03
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.03
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.03
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.03
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.03
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.03
1:C:282:TYR:CE2	1:C:285:PHE:N	2.26	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.03
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.88	1.03
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.03
1:C:800:LYS:O	1:C:802:GLN:N	1.88	1.03
1:C:800:LYS:NZ	1:C:807:GLY:HA3	1.71	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.03
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.03
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.03
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.71	1.03
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.03
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.03
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.03
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.03
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:506:ALA:CB	1:C:750:PRO:O	2.06	1.03
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.03
3:Z:117:LEU:CD1	3:Z:117:LEU:O	2.04	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.03
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.03
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
1:C:799:LYS:CA	1:C:802:GLN:HB2	1.89	1.03
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.88	1.03
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.03
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	1.03
1:C:500:TYR:HE1	1:C:707:PHE:HB2	1.16	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.38	1.03
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.71	1.03
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.03
1:C:153:PHE:CE2	1:C:188:LYS:HE2	1.91	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.03
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.03
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.03
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.03
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.03
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.03
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.03
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.03
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.03
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.03
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.03
1:C:495:LEU:HD22	1:C:756:GLY:N	1.53	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.03
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.03
1:C:501:LYS:N	1:C:761:PHE:N	1.93	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.03
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.03
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.03
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.03
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.03
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.03
1:C:800:LYS:HA	1:C:803:ASP:OD1	1.53	1.03
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.03
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.03
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.03
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.03
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.03
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:723:LEU:HA	1:C:777:ARG:HD3	1.40	1.03
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.03
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.03
1:C:505:ILE:HD11	1:C:766:VAL:HG21	1.08	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.20	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.03
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.03
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.03
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.03
1:C:166:ASP:HA	1:C:719:ARG:HD2	1.37	1.03
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.03
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.81	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.03
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:265:TYR:OH	1:C:649:HIS:HB3	1.56	1.03
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.33	1.03
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.03
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.03
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.03
2:Y:100:GLU:HB2	3:Z:124:GLU:O	1.58	1.03
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.03
1:C:504:GLY:O	1:C:760:VAL:CB	2.06	1.03
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.03
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.64	1.03
2:Y:100:GLU:CB	3:Z:128:LEU:CA	2.36	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.03
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.40	1.03
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.81	1.03
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	1.03
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.81	1.03
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.03
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.03
1:C:502:LYS:HG2	1:C:757:THR:HG23	1.06	1.03
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.03
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.68	1.03
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.03
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.03
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.03
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.03
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.03
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.03
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.38	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.88	1.03
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.03
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.05	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.03
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.33	1.03
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.03
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.93	1.03
1:C:144:ARG:HH11	1:C:770:LEU:CD2	1.69	1.03
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.03
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.03
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.03
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.03
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03
2:Y:101:THR:HG22	3:Z:125:ILE:CG1	1.85	1.03
2:Y:138:LYS:NZ	3:Z:126:ILE:HD13	1.70	1.03
1:C:500:TYR:CD1	1:C:707:PHE:CB	2.35	1.03
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.03
1:C:129:LEU:HD22	1:C:131:ILE:H	0.95	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:507:TRP:CE3	1:C:707:PHE:CD1	2.43	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.03
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.03
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
1:C:508:GLU:N	1:C:764:ALA:O	1.90	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.92	1.03
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.03
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.03
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.03
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.03
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.03
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.03
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.03
1:C:144:ARG:NH2	1:C:774:ARG:HB3	1.74	1.03
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.03
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.03
1:C:219:ILE:HG13	1:C:220:ILE:N	1.68	1.03
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.03	1.03
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.06	1.03
1:C:510:ILE:CG1	1:C:512:PHE:CE1	2.40	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.03
1:C:507:TRP:HZ3	1:C:707:PHE:CD1	1.67	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.03
1:C:60:ILE:HD11	1:C:63:ASP:H	1.16	1.03
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.03
1:C:491:HIS:HA	1:C:495:LEU:HD12	1.07	1.03
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.03
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.03
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
1:C:500:TYR:CB	1:C:754:ARG:HB2	1.88	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.03
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.03
1:C:502:LYS:HZ1	1:C:757:THR:CG2	1.66	1.03
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.03
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.03
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.03
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.03
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.03
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.03
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.03
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.03
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.03
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.03
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.03
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	1.03
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.03
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.93	1.03
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.03
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.03
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.03
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.03
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.03
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.03
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.03
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.03
1:C:498:GLU:O	1:C:755:LEU:CA	2.05	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
2:Y:99:GLN:HB3	3:Z:125:ILE:HD12	1.35	1.03
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.03
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.03
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.03
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
2:Y:103:LYS:C	3:Z:123:ASP:OD2	2.01	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.03
1:C:32:LYS:HE3	1:C:47:GLU:HG3	1.31	1.03
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.03
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.03
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.03
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.03
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.03
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.03
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.03
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.03
1:C:504:GLY:CA	1:C:760:VAL:HG12	1.87	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.03
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.03
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.03
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.03
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.03
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.03
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.03
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.03
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	1.03
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.32	1.03
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.03
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.03
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.03
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.03
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.03
1:C:195:LYS:HE3	3:Z:108:HIS:CE1	1.94	1.03
1:C:499:GLU:CG	1:C:710:ARG:HH12	1.72	1.03
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	1.03
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.03
3:Z:42:ILE:HD13	3:Z:44:PRO:HD3	1.31	1.03
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.03
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.03
1:C:500:TYR:HA	1:C:709:SER:C	1.83	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.03
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.03
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.03
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.03
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.03
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.03
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.03
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.03
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
3:Z:117:LEU:O	3:Z:117:LEU:CD1	2.04	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.03
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.03
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.03
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.03
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.03
2:Y:117:GLY:HA2	3:Z:20:PHE:CZ	1.94	1.03
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.03
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.03
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.03
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	1.03
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.03
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.03
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.03
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.03
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.03
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.03
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.03
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.03
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.03
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.03
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.03
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.03
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.03
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.03
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.03
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.03
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.03
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.03
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.03
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.03
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.03
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.03
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.03
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.03
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.03
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.03
1:C:804:GLN:OE1	3:Z:21:TRP:CH2	2.10	1.03
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.03
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.03
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.03
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.03
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.03
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.03
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.03
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.03
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.03
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.03
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.03
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.03
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.03
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.03
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.03
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.03
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.03
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.03
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.03
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.03
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.03
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.03
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.03
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.03
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.03
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.03
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.03
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.03
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.03
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.03
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.03
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.03
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.03
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.03
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.03
2:Y:35:VAL:CG2	2:Y:67:LEU:CD1	2.35	1.03
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.32	1.03
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.03
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.03

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.03
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.03
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.03
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.03
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.03
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.03
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.03
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.03	1.03
1:C:490:HIS:O	1:C:494:ILE:HG13	1.55	1.03
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.03
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.03
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.88	1.03
2:Y:102:LYS:HD3	3:Z:127:LYS:O	1.59	1.03
2:Y:138:LYS:HZ1	3:Z:122:VAL:HG22	1.16	1.03
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.03
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.03
1:C:479:TYR:CE1	1:C:523:ILE:HG23	1.89	1.03
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.03
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.03
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.03
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.02
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.02
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.02
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.02
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.02
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.02
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.02
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
1:C:319:VAL:HG23	1:C:322:ILE:HB	1.28	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.02
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.02
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.02
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.02
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.02
1:C:451:LYS:NZ	3:Z:142:GLU:OE1	1.91	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.02
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.02
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.02
1:C:800:LYS:HE3	1:C:804:GLN:CG	1.89	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.02
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.02
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.02
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.56	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.02
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.02
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.02
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.02
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.02
1:C:703:CYS:HA	1:C:708:PRO:HG3	1.36	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.02
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.02
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.02
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.63	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.02
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.02
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.02
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.02
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.02
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.02
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.02
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.02
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.02
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.02
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
1:C:167:ARG:NH2	3:Z:92:THR:HB	1.74	1.02
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.02
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.02
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.02
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.02
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.02
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.02
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.02
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.02
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.02
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
1:C:722:ILE:O	1:C:777:ARG:HD2	1.58	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.59	1.02
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.02
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.02
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.02
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.02
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.02
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.02
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.02
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.02
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.02
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.02
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.02
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.02
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.02
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.02
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.02
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.02
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.02
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.02
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.02
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.02
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.02
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.02
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.02
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.02
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.02
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.02
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.02
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.02
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.02
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.02
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.02
1:C:507:TRP:N	1:C:751:ALA:O	1.91	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.02
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.02
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.37	1.02
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.02
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.02
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.02
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.02
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.02
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.92	1.02
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.88	1.02
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.02
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.02
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.02
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.02
1:C:165:THR:CG2	1:C:718:GLN:HB3	1.88	1.02
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.02
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.02
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.02
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.02
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:144:ARG:HH12	1:C:719:ARG:NE	1.57	1.02
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.02
1:C:525:LYS:HG3	1:C:526:PRO:HD3	1.32	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	1.02
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.02
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.02
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.02
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:507:TRP:CD2	1:C:763:LYS:HG3	1.83	1.02
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.02
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.02
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.02
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.02
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.02
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.02
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.02
1:C:723:LEU:HD23	1:C:777:ARG:HD2	1.34	1.02
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.02
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.02
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.02
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.02
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	1.02
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.02
1:C:801:LEU:CD1	3:Z:17:LEU:HD21	1.90	1.02
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.02
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.02
1:C:507:TRP:CE3	1:C:707:PHE:CD1	2.46	1.02
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	1.02
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.02
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.02
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:503:GLU:C	1:C:760:VAL:HG23	1.45	1.02
1:C:507:TRP:O	1:C:750:PRO:O	1.76	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.02
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.02
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.02
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.02
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:802:GLN:HE22	3:Z:17:LEU:HB2	1.23	1.02
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.02
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.93	1.02
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.02
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.02
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.02
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.02
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.02
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.02
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.02
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.68	1.02
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.02
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.02
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.02
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.02
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.02
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.02
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.35	1.02
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.02
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.02
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.02
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.02
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.02
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.02
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.35	1.02
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.02
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.02
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.02
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.02
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.02
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.02
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.02
1:C:5:PHE:CE1	1:C:780:LYS:HG3	1.93	1.02
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:144:ARG:N	1:C:771:GLU:OE1	1.84	1.02
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	1.02
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.02
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.02
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:479:TYR:HE1	1:C:523:ILE:CG2	1.64	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.02
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.02
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.02
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.02
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.35	1.02
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.02
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.02
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.02
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.02
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.02
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.02
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	1.02
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:577:HIS:CG	1:C:591:ILE:HD13	1.92	1.02
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.02
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.02
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.02
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.02
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.02
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.02
1:C:280:ARG:CG	1:C:286:TYR:CZ	2.38	1.02
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.02
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.02
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.02
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.02
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.02
2:Y:103:LYS:C	3:Z:127:LYS:HD3	1.79	1.02
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.02
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.02
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.35	1.02
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.02
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.02
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.02
1:C:499:GLU:HB3	1:C:710:ARG:HB3	1.40	1.02
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.02
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.02
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.02
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.02
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.02
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.02
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.02
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.02
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.59	1.02
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.02
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.02
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.02
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.02
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.02
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.02
2:Y:109:ILE:HG12	2:Y:110:LYS:N	1.67	1.02
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.02
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.02
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.59	1.02
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.02
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.02
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.02
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.02
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.02
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.02
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.02
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.02
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.02
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.02
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:506:ALA:N	1:C:754:ARG:HB3	1.40	1.02
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.02
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.02
1:C:806:ILE:HG13	1:C:807:GLY:H	1.23	1.02
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.31	1.02
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	1.02
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.02
1:C:493:PHE:CD1	1:C:512:PHE:CD1	2.46	1.02
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.02
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.02
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.02
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.02
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.31	1.02
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.02
1:C:505:ILE:CD1	1:C:761:PHE:H	1.73	1.02
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.02
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.02
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.02
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.02
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.68	1.02
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.02
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.02
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.02
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.02
1:C:717:LYS:O	3:Z:88:GLU:OE1	1.74	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.02
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.02
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.02
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.02
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	1.02
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.02
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.02
2:Y:138:LYS:HZ1	3:Z:122:VAL:HG22	1.04	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.02
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.02
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.02
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.02
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.02
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.02
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.02
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.02
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.02
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.02
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.02
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.02
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.02
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.02
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.02
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:507:TRP:CB	1:C:754:ARG:HG2	1.89	1.02
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.02
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.32	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.02
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.02
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.02
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.02
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.02
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.02
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.02
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.02
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.81	1.02
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.02
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.02
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.02
1:C:490:HIS:O	1:C:494:ILE:HG13	1.56	1.02
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.02
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.37	1.02
1:C:144:ARG:CG	1:C:774:ARG:H	1.71	1.02
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.02
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.02
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.02
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.02
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:505:ILE:HD11	1:C:766:VAL:HG22	1.37	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:800:LYS:HA	1:C:803:ASP:CG	1.85	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.02
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.02
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.02
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	1.02
1:C:703:CYS:O	1:C:764:ALA:HB2	1.59	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.02
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	1.02
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.02
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	1.02
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.02
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	1.02
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.02
1:C:503:GLU:OE1	1:C:759:LYS:CD	2.08	1.02
1:C:509:PHE:CE2	1:C:749:ASP:OD1	2.12	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.59	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	1.02
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.02
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.67	1.02
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.02
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.02
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	1.02
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.02
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.02
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.02
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	1.02
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.02
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	1.02
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.71	1.02
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.02
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.02
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.02
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.02
3:Z:123:ASP:O	3:Z:126:ILE:HG12	1.56	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.02
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.02
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.02
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	1.02
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.02
1:C:507:TRP:O	1:C:751:ALA:HA	1.59	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.02
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.02
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.02
2:Y:86:GLU:CB	2:Y:149:LYS:HD3	1.87	1.02
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.02
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	1.02
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.02
1:C:506:ALA:HA	1:C:753:TYR:HB3	1.40	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.02
1:C:805:ARG:CA	3:Z:21:TRP:CE3	2.43	1.02
1:C:282:TYR:CE2	1:C:285:PHE:N	2.25	1.02
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.02
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	1.02
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.02
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.02
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.81	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.02
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.02
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.40	1.02
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.02
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.02
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.02
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.02
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.02
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.02
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.02
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	1.02
1:C:778:LEU:O	1:C:782:ILE:HG12	1.57	1.02
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.02
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.02
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.02
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.02
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	1.02
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.02
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.02
2:Y:17:ILE:HG12	2:Y:18:GLN:N	1.68	1.02
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.81	1.02
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
1:C:144:ARG:CD	1:C:774:ARG:HB2	1.88	1.02
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.02
1:C:255:GLY:C	3:Z:95:ARG:HH11	1.66	1.02
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.02
1:C:704:ARG:HA	1:C:764:ALA:CB	1.90	1.02
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.02
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	0.99	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.81	1.02
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.02
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.02
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.02
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.02
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.02
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.02
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.02
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.02
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.34	1.02
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.02
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.02
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.02
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.02
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.02
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.02
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.02
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.02
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.02
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.81	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.71	1.02
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.02
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.81	1.02
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.02
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:420:VAL:O	1:C:423:VAL:HG22	1.56	1.02
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.02
1:C:505:ILE:CD1	1:C:767:LEU:H	1.71	1.02
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.02
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.02
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.02
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.02
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.02
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.02
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.20	1.02
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.02
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.02
1:C:366:ARG:HH12	1:C:368:ARG:NE	1.54	1.02
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.02
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.02
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	1.02
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.02
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.02
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.02
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.02
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.02
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.02
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.02
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.02
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.02
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.02
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.02
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.02
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.02
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.02
3:Z:100:PHE:CD1	3:Z:100:PHE:C	2.17	1.02
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.02
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.02
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.02
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.02
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.02
1:C:505:ILE:O	1:C:767:LEU:HD12	1.58	1.02
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.02
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.02
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.02
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.02
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.02
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.02
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.02
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.02
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.02
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.02
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.02
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.02
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.02
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.02
1:C:146:THR:CB	1:C:768:GLY:HA2	1.89	1.02
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.02
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.02
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.02
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.02
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.02
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.02
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.02
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.02
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.02
1:C:505:ILE:CA	1:C:755:LEU:N	2.21	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.02
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.02
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.02
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.02
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.02
1:C:35:TRP:CH2	1:C:101:TYR:HB2	1.93	1.02
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.02
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.02
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.02
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.02
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.02
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.02
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.02
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.02
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.02
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.02
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.02
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.02
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.02
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.02
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.02
1:C:500:TYR:HB2	1:C:754:ARG:HB2	1.42	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.02
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.02
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.02
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.02
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.02
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.02
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.02
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.02
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.02
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:453:ASN:O	3:Z:95:ARG:NH1	1.93	1.02
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.02
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.02
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.02
1:C:156:ALA:HB3	1:C:192:TYR:CE2	1.86	1.02
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.02
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.02
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.02
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	1.02
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.02
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.76	1.02
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.02
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.02
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.02
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.02
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.02
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.02
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.02
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.02
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.02
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.02
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.02
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.02
1:C:503:GLU:HG2	1:C:761:PHE:HE1	1.23	1.02
1:C:508:GLU:HA	1:C:751:ALA:CB	1.90	1.02
1:C:792:TYR:OH	2:Y:99:GLN:CG	2.08	1.02
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.02
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.02
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.02
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.02
1:C:5:PHE:HE2	1:C:783:SER:OG	1.25	1.02
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.02
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.02
1:C:161:GLN:CD	1:C:719:ARG:CD	2.33	1.02
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.02
1:C:335:PHE:CZ	1:C:345:LYS:HB2	1.93	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.02
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.02
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.02
1:C:799:LYS:HG2	1:C:803:ASP:O	1.58	1.02
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:104:ARG:HE	1:C:682:VAL:HG21	0.93	1.02
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.02
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.02
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.02
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.02
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.02
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.02
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.02
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.02
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.02
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.02
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.02
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.02
1:C:500:TYR:HB3	1:C:754:ARG:HB2	1.40	1.02
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	1.02
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.02
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.02
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.02
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.02
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.02
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.02
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.02
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.02
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.02
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.02
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	1.02
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.02
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.02
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.02
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.02

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.22	1.02
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.02
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.02
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.02
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.02
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.02
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.02
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.02
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.02
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.02
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.02
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.02
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.02
2:Y:97:ASP:HB3	3:Z:128:LEU:HD23	1.41	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
1:C:13:LEU:HD11	1:C:131:ILE:HD11	1.05	1.02
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.02
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.02
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.02
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.01
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.01
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.01
1:C:505:ILE:CB	1:C:761:PHE:HB2	1.90	1.01
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
1:C:704:ARG:HG3	1:C:764:ALA:HB3	1.04	1.01
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.01
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	1.01
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.01
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.01
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.01
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.01
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.01
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.01
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.01
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.01
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.01
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	1.01
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.01
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.01
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.01
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.01
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.01
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.01
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.01
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.01
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.01
3:Z:87:MET:HE1	3:Z:142:GLU:OE2	1.57	1.01
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.01
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.01
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.01
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.01
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.01
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.94	1.01
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.01
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.01
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.01
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.01
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.01
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.01
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.01
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.01
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.01
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.01
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.01
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.01
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.01
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.01
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.01
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.01
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.01
1:C:502:LYS:HE2	1:C:759:LYS:N	1.75	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.01
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.01
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.01
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.01
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.71	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.01
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.01
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.01
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.01
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.01
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:509:PHE:N	1:C:751:ALA:HA	1.20	1.01
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.01
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.01
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.01
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	1.01
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.01
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.01
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.01
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.01
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.01
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.01
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.88	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.01
1:C:801:LEU:HD13	3:Z:17:LEU:HD21	1.02	1.01
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.01
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.01
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.01
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.01
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.01
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.01
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.01
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.71	1.01
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	1.01
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.01
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.01
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.01
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.01
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.01
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.01
1:C:503:GLU:HA	1:C:757:THR:H	1.23	1.01
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.01
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.91	1.01
1:C:239:ASN:HD22	1:C:283:HIS:CE1	1.77	1.01
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.01
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.01
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.01
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.01
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
1:C:712:ILE:HG22	1:C:759:LYS:CE	1.87	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	1.01
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	1.01
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.01
1:C:297:ASN:ND2	1:C:298:ASP:H	1.56	1.01
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.01
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.01
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.01
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.37	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.01
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.01
1:C:500:TYR:CZ	1:C:707:PHE:HD1	1.68	1.01
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.01
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.01
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.01
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.01
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.37	1.01
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.01
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	1.01
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.01
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:664:HIS:NE2	1:C:711:LEU:CD1	0.86	1.01
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.01
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.01
1:C:500:TYR:CA	1:C:762:PHE:N	2.22	1.01
1:C:507:TRP:NE1	1:C:707:PHE:CE2	2.28	1.01
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.01
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.01
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.01
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.01
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.01
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.01
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.01
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.01
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	1.01
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.01
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.33	1.01
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.01
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.01
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	1.01
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.01
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.59	1.01
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.01
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.01
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.01
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.01
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.01
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.01
1:C:799:LYS:CB	1:C:803:ASP:HB3	1.89	1.01
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.01
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.01
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.01
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.01
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.01
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.01
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.01
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
1:C:503:GLU:HB2	1:C:754:ARG:N	1.75	1.01
1:C:805:ARG:HA	3:Z:21:TRP:CE3	1.94	1.01
1:C:805:ARG:CB	3:Z:21:TRP:HE3	1.74	1.01
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.01
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.01
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.01
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.01
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.90	1.01
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.01
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	1.01
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.01
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.79	1.01
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.01
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.01
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.01
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.01
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.01
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.01
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.01
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.01
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.01
2:Y:32:ASP:CB	2:Y:34:PHE:HE1	1.61	1.01
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.79	1.01
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.01
2:Y:98:GLU:HG2	2:Y:99:GLN:H	1.17	1.01
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.01
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.01
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.01
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.01
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.01
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.01
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.01
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.01
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.01
1:C:792:TYR:CE1	2:Y:98:GLU:HG3	1.96	1.01
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.01
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.01
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	1.01
1:C:144:ARG:HB2	1:C:720:TYR:CZ	1.95	1.01
1:C:161:GLN:CG	1:C:719:ARG:HD3	1.89	1.01
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:HD13	1:C:182:LYS:HA	1.36	1.01
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.01
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.01
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	1.01
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.01
1:C:801:LEU:HD13	3:Z:21:TRP:CE3	1.90	1.01
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.01
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.01
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.01
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.01
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.01
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.01
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.01
1:C:500:TYR:HD1	1:C:761:PHE:HB3	1.22	1.01
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.01
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.01
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.88	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.01
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.01
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.01
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.01
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.01
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.01
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.01
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.01
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.01
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	1.01
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
2:Y:99:GLN:C	3:Z:125:ILE:HA	1.74	1.01
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.01
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.01
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.01
1:C:500:TYR:CD2	1:C:707:PHE:CB	2.42	1.01
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.01
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.42	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.90	1.01
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	1.01
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.01
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.01
1:C:522:LEU:CD1	1:C:561:MET:HB2	1.89	1.01
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.22	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.03	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	1.01
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.60	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.01
1:C:507:TRP:CG	1:C:763:LYS:CG	2.38	1.01
1:C:799:LYS:HB3	1:C:803:ASP:HB3	1.05	1.01
1:C:800:LYS:HZ2	1:C:804:GLN:HG2	1.24	1.01
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.01
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.01
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	1.01
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.01
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.01
2:Y:106:ILE:HD12	2:Y:109:ILE:HD11	1.36	1.01
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.01
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.01
1:C:505:ILE:C	1:C:767:LEU:HD12	1.85	1.01
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.01
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.59	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.90	1.01
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.01
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	1.01
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.01
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.01
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.01
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.01
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	1.01
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.01
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.07	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:772:GLU:O	1:C:776:GLU:HG2	1.60	1.01
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.01
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.95	1.01
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.01
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.01
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.01
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:503:GLU:HB3	1:C:753:TYR:CD1	1.95	1.01
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
1:C:193:LEU:HD11	1:C:249:ILE:HD13	1.37	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:505:ILE:HG12	1:C:763:LYS:CA	1.91	1.01
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	1.01
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.01
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.01
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.01
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.01
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.79	1.01
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	1.01
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.01
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.01
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.01
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.01
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.01
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.01
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.01
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.01
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	1.01
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.01
1:C:498:GLU:HA	1:C:755:LEU:N	1.76	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.91	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.01
1:C:503:GLU:C	1:C:713:TYR:OH	2.03	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.01
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.01
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.01
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.01
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	1.01
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.01
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
1:C:503:GLU:CG	1:C:761:PHE:CE1	2.43	1.01
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.01
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.01
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.01
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	1.01
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.01
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.01
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	1.01
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.01
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.01
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.01
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.01
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.01
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.01
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.01
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.01
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:55:GLU:CD	1:C:68:THR:HB	1.83	1.01
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.36	1.01
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.01
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.01
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.85	1.01
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.01
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.01
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
2:Y:40:ILE:HG12	2:Y:56:LEU:HD23	1.07	1.01
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.01
1:C:495:LEU:O	1:C:761:PHE:CE1	2.14	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.01
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.01
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.01
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.01
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.01
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.88	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:335:PHE:CD2	1:C:345:LYS:CB	2.31	1.01
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.01
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.60	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.07	1.01
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.01
1:C:252:GLY:O	3:Z:89:ALA:O	1.78	1.01
1:C:454:TYR:CD1	3:Z:92:THR:CA	2.43	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:495:LEU:HA	1:C:755:LEU:N	1.75	1.01
1:C:501:LYS:HE2	1:C:743:LEU:CD2	1.91	1.01
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.07	1.01
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.01
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.01
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.01
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.01
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.59	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:762:PHE:HB3	1:C:766:VAL:HG21	1.33	1.01
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.01
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.01
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:503:GLU:HG2	1:C:759:LYS:HB3	1.40	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.01
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.01
1:C:499:GLU:CB	1:C:761:PHE:HE2	1.63	1.01
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.01
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
1:C:81:LYS:HZ3	1:C:772:GLU:HG2	0.87	1.01
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.01
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	1.01
1:C:723:LEU:HD21	1:C:777:ARG:HD2	1.08	1.01
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.01
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:722:ILE:O	1:C:777:ARG:CD	2.09	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.01
2:Y:99:GLN:CB	3:Z:127:LYS:CG	2.38	1.01
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.01
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:503:GLU:HB3	1:C:711:LEU:CA	1.91	1.01
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.01
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.01
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.01
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:800:LYS:HD3	2:Y:95:MET:HG2	1.41	1.01
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.01
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.01
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
2:Y:100:GLU:HG2	3:Z:127:LYS:CG	1.90	1.01
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.01
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:146:THR:N	1:C:771:GLU:CA	2.23	1.01
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.01
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.01
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.71	1.01
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.01
1:C:799:LYS:C	1:C:804:GLN:H	1.66	1.01
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.01
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.01
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.01
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.01
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	1.01
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.01
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.01
1:C:505:ILE:HD11	1:C:753:TYR:HA	1.03	1.01
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	1.01
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	1.01
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.01
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.01
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.01
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.01
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.01
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.01
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.01
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.03	1.01
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.01
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.01
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.01
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.01
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	1.01
1:C:32:LYS:HE3	1:C:47:GLU:HG2	1.38	1.01
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.01
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	1.01
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.01
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.01
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.59	1.01
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.01
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.01
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.75	1.01
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.32	1.01
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.01
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.01
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.01
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	1.01
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.01
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.01
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.01
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.01
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	1.01
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.01
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.01
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.85	1.01
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.01
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.01
3:Z:18:PHE:CE1	3:Z:32:LYS:CG	2.42	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.01
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.01
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.01
1:C:499:GLU:HG3	1:C:710:ARG:HH12	1.20	1.01
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.01
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.01
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.01
1:C:161:GLN:HG2	1:C:775:ASP:HB2	1.43	1.01
1:C:165:THR:C	1:C:722:ILE:HD11	1.86	1.01
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.01
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	1.01
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.01
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.01
1:C:144:ARG:NH1	1:C:771:GLU:HB3	1.76	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.01
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.01
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.01
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.38	1.01
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.01
1:C:144:ARG:NH1	1:C:771:GLU:HB3	1.76	1.01
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.01
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.01
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.01
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.01
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.01
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.01
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.01
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.01
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.01
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.01
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.01
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.01
1:C:712:ILE:HD11	1:C:715:GLU:HG3	1.35	1.01
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.01
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.01
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.01
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.90	1.01
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.01
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	1.01
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.01
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.01
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.01
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.01
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.01
2:Y:35:VAL:HG21	2:Y:67:LEU:HD13	1.33	1.01
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.01
1:C:522:LEU:HD12	1:C:561:MET:HB2	1.36	1.01
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.01
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.01
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.01
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.01
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.01
1:C:139:LYS:HG2	3:Z:95:ARG:HH12	1.22	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.01
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.01
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.01
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.01
1:C:723:LEU:HA	1:C:777:ARG:HE	1.24	1.01
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.01
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.01
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.01
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	1.01
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.01
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:503:GLU:HB3	1:C:759:LYS:O	1.21	1.01
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.01
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.01
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	1.01
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.01
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	1.01
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.01
1:C:146:THR:H	1:C:771:GLU:N	1.59	1.01
1:C:163:MET:CE	1:C:454:TYR:HE2	1.72	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.01
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	1.01
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.01
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.82	1.01
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.01
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.01
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.01
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.01
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.01
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.01
1:C:504:GLY:C	1:C:760:VAL:CB	2.34	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.01
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	1.01
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.01
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.01
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.01
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.01
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.01
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.01
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.01

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.42	1.01
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.01
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.01
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.01
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.01
1:C:144:ARG:HG3	1:C:772:GLU:N	1.22	1.01
1:C:147:GLU:CG	1:C:774:ARG:N	2.15	1.01
1:C:174:ILE:HA	1:C:668:VAL:HG22	1.37	1.01
1:C:193:LEU:O	1:C:193:LEU:CD2	2.09	1.01
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	1.01
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.01
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.01
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.01
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.01
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.01
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.01
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.01
2:Y:108:TYR:CZ	3:Z:120:GLU:CG	2.40	1.01
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.01
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.01
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.01
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.00
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.00
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.00
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.00
1:C:800:LYS:C	1:C:801:LEU:HA	1.85	1.00
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.00
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	1.00
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	1.00
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	1.00
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	1.00
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	1.00
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.00
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.00
1:C:505:ILE:C	1:C:754:ARG:H	1.69	1.00
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.00
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.00
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.00
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.00
1:C:505:ILE:CA	1:C:767:LEU:HD12	1.91	1.00
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.00
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.00
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.00
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.00
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.00
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.00
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	1.00
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.00
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.00
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.00
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.00
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.00
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.00
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.00
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	1.00
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.00
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.00
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.00
1:C:144:ARG:NH1	1:C:771:GLU:HB3	1.75	1.00
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.00
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.00
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.00
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.00
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.00
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.00
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.00
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.00
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.00
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.00
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.00
1:C:499:GLU:CG	1:C:761:PHE:CZ	2.43	1.00
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.00
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.00
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.00
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.00
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	1.00
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:165:THR:CB	1:C:774:ARG:NH1	1.74	1.00
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.71	1.00
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.25	1.00
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.00
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.91	1.00
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.00
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.00
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.00
1:C:705:LYS:C	1:C:706:GLY:O	2.04	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.00
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.00
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.00
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.00	1.00
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.00
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.00
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.00
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.00
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.00
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.00
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.00
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
1:C:484:LEU:HD23	1:C:484:LEU:O	1.59	1.00
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.00
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	1.00
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.00
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	1.00
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.00
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.81	1.00
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.00
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.00
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.00
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.81	1.00
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.00
1:C:800:LYS:O	1:C:803:ASP:N	1.94	1.00
2:Y:138:LYS:HD3	3:Z:123:ASP:CB	1.91	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.71	1.00
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.25	1.00
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.00
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.00
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.00
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.00
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:HD11	1.06	1.00
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.00
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.00
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.71	1.00
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.25	1.00
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.00
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.00
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.00
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.81	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.00
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.00
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:613:SER:OG	1:C:618:VAL:HG23	1.58	1.00
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.00
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.00
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.00
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.00
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.00
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.00
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.00
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	1.00
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.91	1.00
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	1.00
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.00
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.00
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.00
1:C:177:GLU:CD	1:C:672:ILE:HG23	1.84	1.00
1:C:499:GLU:HB3	1:C:710:ARG:NH1	1.71	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.71	1.00
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.25	1.00
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.00
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.00
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.00
2:Y:138:LYS:HG2	3:Z:123:ASP:CB	1.90	1.00
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.00
1:C:525:LYS:CB	1:C:526:PRO:HD2	1.81	1.00
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	1.00
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	1.00
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.00
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	1.00
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.00
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	1.00
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	1.00
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.00
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.00
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.00
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.00
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	1.00
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.15	1.00
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.00
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	1.00
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	1.00
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.00
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.00
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.00
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.00
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.00
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.00
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.00
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.00
1:C:806:ILE:HG13	1:C:807:GLY:H	1.23	1.00
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.91	1.00
1:C:60:ILE:HD11	1:C:63:ASP:H	1.16	1.00
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.15	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.00
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.00
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	1.00
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	1.00
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.00
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.59	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	1.00
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.15	1.00
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.00
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.00
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.00
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.00
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.89	1.00
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.00
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	1.00
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	1.00
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	1.00
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.00
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.00
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.00
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.00
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.00
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.00
1:C:243:PHE:CE2	1:C:245:LYS:CG	2.27	1.00
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	1.00
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.00
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.00
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.33	1.00
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	1.00
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	1.00
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.00
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.00
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.00
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.00
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	1.00
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	1.00
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.00
3:Z:141:TYR:CE2	3:Z:145:VAL:CG1	2.43	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	1.00
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	1.00
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.00
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.00
1:C:174:ILE:HD11	1:C:182:LYS:CB	1.88	1.00
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.00
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.00
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.00
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.00
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.00
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.00
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.00
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	1.00
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.00
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.00
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.00
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	1.00
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	1.00
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	1.00
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	1.00
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	1.00
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.00
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	1.00
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.00
2:Y:27:ILE:HD11	2:Y:35:VAL:CG1	1.88	1.00
2:Y:99:GLN:OE1	3:Z:123:ASP:OD1	1.78	1.00
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	1.00
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.00
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	1.00
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.00
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	1.00
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	1.00
1:C:253:PRO:CA	3:Z:95:ARG:HD3	1.91	1.00
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.00
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.00
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	1.00
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.00
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.00
1:C:507:TRP:CB	1:C:763:LYS:N	2.19	1.00
1:C:509:PHE:HD1	1:C:754:ARG:NH1	1.59	1.00
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.00
1:C:508:GLU:CA	1:C:751:ALA:CA	2.37	1.00
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	1.00
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.00
2:Y:100:GLU:HG2	3:Z:127:LYS:HG3	1.43	1.00
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.00
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:437:TRP:CZ3	1:C:620:GLU:HB3	1.94	1.00
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.00
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	1.00
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.00
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.00
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	1.00
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.00
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	1.00
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.43	1.00
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	1.00
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.00
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.00
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.00
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.00
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.00
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.00
1:C:800:LYS:HE3	1:C:804:GLN:CB	1.91	1.00
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.00
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.00
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.00
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.00
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.00
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.00
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.00
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.00
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	1.00
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.00
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	1.00
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.00
1:C:484:LEU:HD23	1:C:484:LEU:O	1.58	1.00
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.00
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.00
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.00
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	1.00
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.43	1.00
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.00
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.00
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.40	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.00
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.00
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.00
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.00
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.00
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	1.00
1:C:799:LYS:CG	1:C:803:ASP:HB3	1.91	1.00
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.00
1:C:492:MET:CE	1:C:493:PHE:CE2	2.42	1.00
2:Y:93:PHE:CE1	2:Y:104:LEU:HD12	1.94	1.00
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.00
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.80	1.00
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.00
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	1.00
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.00
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	1.00
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.00
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.00
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.00
1:C:496:GLU:HA	1:C:710:ARG:HH22	1.25	1.00
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.00
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	1.00
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	1.00
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	1.00
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.58	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	1.00
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.00
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.00
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	1.00
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.00
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.00
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.90	1.00
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.00
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.00
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.00
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.00
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	1.00
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.00
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.00
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.00
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	1.00
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.00
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.67	1.00
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.80	1.00
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.00
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.00
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	1.00
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.00
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	1.00
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.80	1.00
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.00
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.22	1.00
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.00
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	1.00
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:499:GLU:OE1	1:C:759:LYS:CA	2.09	1.00
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.59	1.00
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.00
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.00
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.00
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.00
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.00
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	1.00
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	1.00
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	1.00
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	1.00
1:C:148:ILE:HG22	3:Z:95:ARG:CD	1.92	1.00
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.00
1:C:242:ARG:HH22	1:C:282:TYR:CA	1.72	1.00
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.00
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	1.00
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.00
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.00
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.75	1.00
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	1.00
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.00
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.75	1.00
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	1.00
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.00
1:C:500:TYR:CD1	1:C:707:PHE:HB2	1.95	1.00
1:C:506:ALA:CA	1:C:762:PHE:HA	1.90	1.00
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.00
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.00
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	1.00
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.00
1:C:134:ASP:O	3:Z:108:HIS:NE2	1.94	1.00
1:C:195:LYS:HE2	3:Z:108:HIS:CE1	1.94	1.00
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.00
1:C:552:TYR:HA	1:C:556:MET:HG2	1.39	1.00
1:C:113:TYR:HE2	1:C:115:TYR:CZ	1.73	1.00
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	1.00
1:C:800:LYS:HA	1:C:804:GLN:HB2	1.02	1.00
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	1.00
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.75	1.00
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	1.00
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.00
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	1.00
1:C:484:LEU:HD23	1:C:484:LEU:O	1.59	1.00
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.00
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.75	1.00
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	1.00
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:502:LYS:CG	1:C:757:THR:CG2	2.35	1.00
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.00
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	1.00
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.00
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.75	1.00
1:C:144:ARG:NH1	1:C:771:GLU:HB3	1.76	1.00
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	1.00
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.23	1.00
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	1.00
1:C:144:ARG:NH1	1:C:771:GLU:HB3	1.76	1.00
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.00
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.00
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	1.00
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.00
1:C:144:ARG:CB	1:C:771:GLU:HG3	1.55	1.00
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.00
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.00
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	1.00
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.25	1.00
1:C:505:ILE:HD11	1:C:754:ARG:HD2	1.38	1.00
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	1.00
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.00
1:C:129:LEU:HD22	1:C:131:ILE:N	1.72	1.00
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	1.00
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.91	1.00
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	1.00
1:C:595:LEU:CD1	1:C:596:GLU:N	2.21	1.00
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.00
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.75	1.00
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	1.00
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.00
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:773:MET:HA	1:C:776:GLU:HG3	1.01	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.00
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.00
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.00
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.00
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.00
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	1.00
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.00
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.00
1:C:129:LEU:HD22	1:C:131:ILE:N	1.72	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.00
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.00
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	1.00
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	1.00
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.00
1:C:505:ILE:O	1:C:767:LEU:CD1	2.09	1.00
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	1.00
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.00
1:C:507:TRP:CH2	1:C:706:GLY:C	2.38	1.00
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	1.00
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.00
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.00
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	1.00
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.00
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.91	1.00
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	1.00
1:C:806:ILE:HG13	1:C:807:GLY:H	1.23	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.00
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	1.00
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	1.00
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.60	1.00
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.00
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.00
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.00
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.00
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.00
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.00
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	1.00
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.00
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	1.00
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	1.00
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.00
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.00
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	1.00
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	1.00
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.00
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.00
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.00
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.00
1:C:5:PHE:CE1	1:C:780:LYS:HB2	1.94	1.00
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	1.00
1:C:806:ILE:HG13	1:C:807:GLY:H	1.23	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.08	1.00
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.00
1:C:704:ARG:HA	1:C:764:ALA:HB2	1.01	1.00
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	1.00
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.00
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.00
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.00
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.00
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	1.00
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	1.00
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.00
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.00
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.00
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	1.00
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.79	1.00
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.00
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	1.00
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	1.00
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.00
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	1.00
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.00
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	1.00
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.00
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	1.00
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	1.00
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.75	1.00
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	1.00
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.00
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	1.00
1:C:800:LYS:NZ	1:C:808:LEU:HD12	1.71	1.00
2:Y:99:GLN:C	3:Z:125:ILE:CA	2.25	1.00
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	1.00
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	1.00
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.00
1:C:498:GLU:O	1:C:760:VAL:C	2.04	1.00
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	1.00
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	1.00
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	1.00
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.00
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	1.00
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	1.00
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.00
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	1.00
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	1.00
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	1.00
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.00
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	1.00
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.00
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	1.00
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.00
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	1.00
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	1.00
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.00
1:C:500:TYR:O	1:C:761:PHE:N	1.94	1.00
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	1.00
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.00
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.00
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	1.00
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.00
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.00
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	1.00
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	1.00
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	1.00
1:C:499:GLU:CG	1:C:710:ARG:CD	2.33	1.00
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.00
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	1.00
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	1.00
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	1.00
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.00
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.04	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.75	1.00
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.00
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.32	1.00
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.00
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.80	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.00
1:C:502:LYS:CA	1:C:713:TYR:CZ	2.42	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.00
1:C:792:TYR:HH	2:Y:99:GLN:HG2	0.84	1.00
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	1.00
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	1.00
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	1.00
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	1.00
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.00
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.00
1:C:799:LYS:NZ	1:C:806:ILE:HG12	1.72	1.00
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	1.00
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.00
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	1.00
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	1.00
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.00
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.00
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	1.00
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	1.00
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.09	1.00
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	1.00
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	1.00
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	1.00
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	1.00
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.00
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	1.00
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.00
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.00
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	1.00
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	1.00
1:C:544:ASP:OD2	1:C:592:THR:HA	1.58	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	1.00
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.00
1:C:167:ARG:CG	1:C:722:ILE:HD13	1.71	1.00
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:504:GLY:HA2	1:C:760:VAL:HG23	1.44	1.00
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.00
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	1.00
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	1.00
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	1.00
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	1.00
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	1.00
1:C:799:LYS:O	1:C:802:GLN:N	1.94	1.00
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	1.00
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.00
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	1.00
1:C:507:TRP:CZ3	1:C:707:PHE:CE1	2.49	1.00
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:502:LYS:O	1:C:713:TYR:CE2	2.15	1.00
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	1.00
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.00
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	1.00
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	1.00
1:C:773:MET:HA	1:C:776:GLU:HG3	1.04	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	1.00
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	1.00
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.00
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	1.00
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	1.00
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.00
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.00
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	1.00
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	1.00
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	1.00
2:Y:72:PHE:O	2:Y:75:ILE:HD13	1.58	1.00
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	1.00
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	1.00
1:C:239:ASN:ND2	1:C:283:HIS:HE1	1.57	1.00
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	1.00
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	1.00
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	1.00
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	1.00
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.74	1.00
1:C:193:LEU:O	1:C:193:LEU:CD2	2.09	1.00
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.00
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.00
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.00
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	1.00
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	1.00
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	1.00
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.00
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.00
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	1.00
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.61	1.00
1:C:144:ARG:HE	1:C:147:GLU:CD	1.51	1.00
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:507:TRP:HZ3	1:C:707:PHE:N	1.57	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.00
1:C:161:GLN:HG2	1:C:775:ASP:CB	1.92	1.00
1:C:168:GLU:CA	1:C:718:GLN:OE1	2.09	1.00
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	1.00
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	1.00
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.44	1.00
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	1.00
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	1.00
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.00
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	1.00
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	1.00
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	1.00
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.00
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.00
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	1.00
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.00
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	1.00
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	1.00
1:C:496:GLU:O	1:C:761:PHE:CD2	2.15	1.00
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	1.00
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	1.00
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	1.00
1:C:645:ILE:O	1:C:648:VAL:HG12	1.60	1.00
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.00
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	1.00
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	1.00
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.21	1.00
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	1.00
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	1.00
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	1.00
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.00
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.00
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	1.00
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.00
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.00
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.00
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	1.00
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	1.00
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	1.00
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	1.00
1:C:503:GLU:HB2	1:C:761:PHE:CE1	1.94	1.00
2:Y:101:THR:HG22	3:Z:127:LYS:N	1.76	1.00
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	1.00
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	1.00
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.00
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	1.00
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	1.00
1:C:146:THR:H	1:C:771:GLU:H	1.05	1.00
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	1.00
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.75	1.00
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	1.00
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	1.00
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.40	1.00
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	1.00
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	1.00
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.00
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	1.00
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	1.00
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	1.00
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	1.00
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	1.00
1:C:24:GLN:O	1:C:24:GLN:CG	2.06	1.00
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	1.00
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	1.00
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	1.00
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	1.00
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	1.00

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.79	1.00
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	1.00
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	1.00
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	1.00
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	1.00
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	1.00
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	1.00
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	0.99
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	0.99
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.99
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.99
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.99
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.99
1:C:506:ALA:O	1:C:754:ARG:HG3	1.61	0.99
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	0.99
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	0.99
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	0.99
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	0.99
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	0.99
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	0.99
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	0.99
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	0.99
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.99
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	0.99
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	0.99
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.99
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.44	0.99
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	0.99
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	0.99
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	0.99
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.99
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	0.99
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	0.99
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	0.99
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	0.99
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.99
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	0.99
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	0.99
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	0.99
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	0.99
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	0.99
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.99
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	0.99
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	0.99
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.99
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	0.99
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	0.99
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	0.99
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	0.99
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.19	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	0.99
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	0.99
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.99
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.75	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.99
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.99
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.99
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.99
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	0.99
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.99
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.99
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	0.99
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	0.99
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	0.99
1:C:243:PHE:HB3	1:C:267:LEU:HD21	1.03	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	0.99
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.99
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.99
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	0.99
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.99
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	0.99
1:C:505:ILE:CG1	1:C:753:TYR:HA	1.91	0.99
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	0.99
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	0.99
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.99
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	0.99
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	0.99
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	0.99
1:C:800:LYS:O	1:C:801:LEU:O	1.80	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.99
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.99
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.40	0.99
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.99
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.99
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.99
1:C:124:ASN:HD21	1:C:673:PRO:CG	1.73	0.99
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.99
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.99
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	0.99
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	0.99
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.40	0.99
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.99
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.99
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.99
1:C:664:HIS:NE2	1:C:711:LEU:CD2	2.25	0.99
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.33	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.31	0.99
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.44	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.99
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.40	0.99
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.99
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.99
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.99
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.99
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	0.99
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.99
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	0.99
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.90	0.99
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.40	0.99
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.99
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.99
1:C:505:ILE:HA	1:C:754:ARG:C	1.83	0.99
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.99
1:C:806:ILE:HG13	1:C:807:GLY:H	1.23	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
1:C:497:GLN:O	1:C:754:ARG:HB3	1.61	0.99
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.99
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	0.99
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.99
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.40	0.99
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.99
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.99
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.99
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.40	0.99
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.99
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.99
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.99
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.40	0.99
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.99
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.99
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.99
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.80	0.99
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	0.99
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.99
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	0.99
1:C:715:GLU:OE1	3:Z:91:LYS:NZ	1.93	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.99
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	0.99
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.99
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.99
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.99
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.99
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	0.99
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.99
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	0.99
1:C:498:GLU:CB	1:C:755:LEU:HB2	1.92	0.99
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	0.99
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	0.99
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.99
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.99
1:C:802:GLN:CG	3:Z:17:LEU:HD12	1.91	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	0.99
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.99
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	0.99
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	0.99
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	0.99
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.99
1:C:129:LEU:HD22	1:C:131:ILE:N	1.72	0.99
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.99
1:C:144:ARG:HG2	1:C:774:ARG:N	1.77	0.99
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	0.99
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.99
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	0.99
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.99
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.99
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.99
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.44	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.99
2:Y:86:GLU:HB3	2:Y:149:LYS:HD3	1.04	0.99
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.99
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.99
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.99
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.99
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.99
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	0.99
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	0.99
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.99
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.99
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.99
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.99
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.99
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.80	0.99
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.99
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.99
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.99
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.99
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.99
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.99
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.99
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.99
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.99
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	0.99
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	0.99
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.99
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.99
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.99
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.99
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	0.99
3:Z:5:GLN:HA	3:Z:8:ILE:HD12	1.37	0.99
1:C:5:PHE:CE1	3:Z:93:PHE:HZ	1.80	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.75	0.99
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.92	0.99
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.99
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.99
1:C:104:ARG:NE	1:C:682:VAL:HG21	1.75	0.99
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	0.99
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.99
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	0.99
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.99
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.99
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.99
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.99
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.99
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	0.99
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	0.99
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.99
1:C:314:GLN:HG2	1:C:315:GLY:H	1.21	0.99
1:C:472:PHE:HD1	1:C:594:TRP:CE2	1.78	0.99
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.99
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.99
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.99
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.99
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.99
1:C:123:VAL:HG12	1:C:671:ILE:HG12	1.39	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.99
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.99
1:C:502:LYS:HE2	1:C:759:LYS:N	1.73	0.99
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.99
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	0.99
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.41	0.99
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.99
1:C:804:GLN:OE1	3:Z:21:TRP:HH2	1.43	0.99
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:166:ASP:H	1:C:774:ARG:HD3	1.24	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.99
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
2:Y:105:ASN:OD1	3:Z:123:ASP:OD2	1.79	0.99
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.99
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.99
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	0.99
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
1:C:192:TYR:HE1	1:C:193:LEU:HB2	0.90	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.99
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.99
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	0.99
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
1:C:834:LYS:HB3	1:C:835:PRO:HD3	1.38	0.99
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.99
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	0.99
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.99
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.99
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.99
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.99
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	0.99
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.99
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.99
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	0.99
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	0.99
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	0.99
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.75	0.99
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	0.99
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.75	0.99
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.99
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.99
1:C:503:GLU:HB2	1:C:761:PHE:CE1	1.97	0.99
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	0.99
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.80	0.99
1:C:800:LYS:CG	1:C:804:GLN:HB2	1.92	0.99
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	0.99
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	0.99
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.99
2:Y:101:THR:OG1	3:Z:124:GLU:C	2.04	0.99
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	0.99
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	0.99
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.99
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.99
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	0.99
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.99
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	0.99
1:C:496:GLU:O	1:C:761:PHE:CD2	2.15	0.99
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	0.99
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.99
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.99
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	0.99
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.99
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	0.99
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	0.99
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	0.99
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.44	0.99
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.99
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	0.99
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.44	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.99
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.99
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.99
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.99
3:Z:111:THR:CA	3:Z:117:LEU:HD11	1.90	0.99
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	0.99
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	0.99
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.99
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	0.99
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	0.99
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.99
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.99
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.99
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.43	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.99
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	0.99
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	0.99
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.99
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.99
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.99
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.99
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.99
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.99
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	0.99
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.99
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	0.99
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	0.99
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.26	0.99
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.99
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.99
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.99
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.99
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	0.99
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.99
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.99
1:C:800:LYS:C	1:C:801:LEU:HA	1.87	0.99
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.99
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.99
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.99
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.20	0.99
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.99
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.99
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	0.99
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.99
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	0.99
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.80	0.99
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.99
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	0.99
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.99
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	0.99
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.99
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	0.99
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.99
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.99
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.99
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.99
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.99
1:C:805:ARG:HD2	3:Z:20:PHE:HE2	1.05	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.99
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.99
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.99
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	0.99
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.99
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.99
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.99
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.99
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.79	0.99
1:C:10:PHE:CE2	1:C:14:ALA:HB3	1.95	0.99
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	0.99
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	0.99
1:C:499:GLU:C	1:C:761:PHE:CZ	2.39	0.99
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.99
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	0.99
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.99
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	0.99
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.99
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	0.99
2:Y:99:GLN:OE1	3:Z:129:THR:HG23	1.63	0.99
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.99
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	0.99
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.99
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.99
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	0.99
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.99
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	0.99
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.99
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.99
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	0.99
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.99
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	0.99
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	0.99
1:C:502:LYS:HG2	1:C:757:THR:CG2	1.88	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.44	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.99
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.99
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.99
1:C:503:GLU:O	1:C:756:GLY:HA2	1.56	0.99
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.98	0.99
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.99
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	0.99
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	0.99
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.40	0.99
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.99
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	0.99
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.99
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.99
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.99
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	0.99
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.99
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.99
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	0.99
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.31	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.99
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.99
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.99
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.98	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.99
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.41	0.99
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.99
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.99
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.99
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.75	0.99
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.99
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	0.99
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.80	0.99
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.99
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.99
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.99
1:C:773:MET:CA	1:C:776:GLU:HG3	1.92	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.75	0.99
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.99
2:Y:86:GLU:CA	2:Y:89:ILE:CD1	2.38	0.99
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.99
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.99
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.99
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.99
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.99
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.99
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.99
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.99
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.99
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	0.99
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	0.99
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.99
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.99
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.99
1:C:504:GLY:C	1:C:760:VAL:HB	1.88	0.99
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.99
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.99
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.41	0.99
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.99
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.99
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.99
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.99
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.99
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	0.99
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.75	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	0.99
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.99
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.99
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	0.99
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.99
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.99
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.99
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.99
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.99
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.99
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.99
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	0.99
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	0.99
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.99
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.99
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.99
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	0.99
1:C:345:LYS:O	1:C:349:PHE:HD2	1.42	0.99
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	0.99
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.99
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.99
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	0.99
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.99
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	0.99
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.99
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.20	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	0.99
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.96	0.99
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.99
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.99
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.99
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	0.99
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.99
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	0.99
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	0.99
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	0.99
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:503:GLU:CD	1:C:759:LYS:CB	2.24	0.99
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.99
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	0.99
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	0.99
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.99
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.25	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.99
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	0.99
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	0.99
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.99
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.99
1:C:567:LYS:HG3	1:C:568:PRO:HD2	1.03	0.99
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.99
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.99
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.99
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	0.99
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.23	0.99
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.99
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.25	0.99
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.92	0.99
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	0.99
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	0.99
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	0.99
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	0.99
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	0.99
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	0.99
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.99
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.99
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.99
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.99
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	0.99
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:437:TRP:HB2	1:C:440:ARG:HH21	1.20	0.99
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	0.99
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.99
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.99
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.99
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.99
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.99
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.99
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	0.99
1:C:243:PHE:CB	1:C:267:LEU:HD21	1.86	0.99
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.99
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.99
1:C:801:LEU:HD11	3:Z:21:TRP:CZ3	1.97	0.99
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.99
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.99
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.99
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.99
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.99
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.99
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	0.99
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
1:C:510:ILE:HG23	1:C:763:LYS:HZ3	0.88	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	0.99
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	0.99
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	0.99
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.99
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	0.99
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.31	0.99
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	0.99
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.99
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	0.99
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.80	0.99
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.99
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.99
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.99
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
1:C:552:TYR:CE1	1:C:556:MET:HE3	1.85	0.99
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.31	0.99
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.99
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.99
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.99
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.99
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	0.99
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.99
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.99
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.99
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	0.99
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	0.99
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.99
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	0.99
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.99
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.99
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.99
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.99
2:Y:100:GLU:OE1	3:Z:126:ILE:HG12	1.26	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.99
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.99
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.99
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.99
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.99
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.99
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	0.99
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.44	0.99
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	1.77	0.99
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.99
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.99
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.99
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.99
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.99
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.99
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.99
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.99
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.99
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.99
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	0.99
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.99
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	0.99
1:C:505:ILE:HD11	1:C:754:ARG:HE	1.28	0.99
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	0.99
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.99
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.99
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.99
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.99
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.99
1:C:438:LEU:C	1:C:438:LEU:CD2	2.30	0.99
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	0.99
1:C:193:LEU:C	1:C:193:LEU:CD2	2.35	0.99
1:C:311:PHE:CD1	1:C:312:ILE:N	2.25	0.99
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.99
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.99
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.99
1:C:789:ILE:HB	2:Y:99:GLN:CD	1.78	0.99
2:Y:101:THR:OG1	3:Z:123:ASP:O	1.81	0.99
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.99
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.28	0.99
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.99
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	0.99
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.99
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.99
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.99
1:C:489:ASN:HD21	1:C:514:MET:HE2	1.12	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.99
1:C:595:LEU:CD1	1:C:596:GLU:N	2.21	0.99
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.99
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.99
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	0.99
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.99
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.99
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.99
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.99
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.44	0.99
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.99
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.99
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.99
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	0.99
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.99
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.99
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.75	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.99
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.99
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.99
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.99
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.99
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.79	0.99
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.99
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	0.99
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.99
1:C:564:LYS:HG3	1:C:565:PRO:HD2	1.40	0.99
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.99
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	0.99
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	0.99
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	0.99
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.27	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.75	0.99
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.99
1:C:5:PHE:CE2	1:C:783:SER:HB3	1.95	0.99
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.92	0.99
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.99
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.75	0.99
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	0.99
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.25	0.99
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.99
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.99
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.99
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.99
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.99
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	0.99
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.99
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	0.99
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.99
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.99
1:C:800:LYS:HA	1:C:803:ASP:OD1	1.63	0.99
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.75	0.99
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.99
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.99

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.99
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	0.99
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.99
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	0.99
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.99
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.99
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.98
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.98
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.98
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.98
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.33	0.98
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.98
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.98
2:Y:100:GLU:HG3	3:Z:127:LYS:HD2	0.99	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.98
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.98
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	0.99	0.98
1:C:501:LYS:HA	1:C:761:PHE:N	1.42	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.98
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.98
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.98
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.98
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.98
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.98
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.98
1:C:144:ARG:HH11	1:C:771:GLU:HB3	1.28	0.98
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.98
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.98
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.98
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.98
1:C:722:ILE:HG13	1:C:777:ARG:HD2	1.00	0.98
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.98
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.98
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.33	0.98
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.98
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.98
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.14	0.98
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.98
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	0.98
1:C:175:THR:OG1	1:C:667:PHE:CZ	2.05	0.98
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.98
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	0.98
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.98
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.98
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.98
1:C:506:ALA:HB2	1:C:762:PHE:HD2	1.28	0.98
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.98
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.98
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.98
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.98
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.98
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.98
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.98
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.98
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.98
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.98
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.98
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.98
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.98
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.98
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.98
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.98
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.98
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.98
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.98
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.98
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.75	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.98
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
3:Z:42:ILE:HD13	3:Z:75:LEU:CD1	1.91	0.98
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.98
1:C:502:LYS:HZ1	1:C:756:GLY:C	1.70	0.98
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.98
1:C:144:ARG:HH12	1:C:719:ARG:CD	1.75	0.98
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.98
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.98
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.76	0.98
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.41	0.98
1:C:510:ILE:CG2	1:C:763:LYS:CE	2.40	0.98
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.41	0.98
1:C:722:ILE:HG21	3:Z:92:THR:CG2	1.93	0.98
2:Y:105:ASN:OD1	3:Z:123:ASP:CG	2.06	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.41	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.98
1:C:147:GLU:HG3	1:C:774:ARG:NH2	1.78	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.41	0.98
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.98
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.98
1:C:799:LYS:HG2	1:C:803:ASP:HB2	1.40	0.98
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.41	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.98
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.28	0.98
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.41	0.98
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.98
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.98
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.23	0.98
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.90	0.98
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.98
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.98
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.98
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.98
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.98
1:C:506:ALA:N	1:C:762:PHE:CA	2.26	0.98
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.32	0.98
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
1:C:7:ASP:HA	3:Z:115:GLU:HA	1.42	0.98
1:C:228:ALA:C	1:C:284:ILE:CD1	2.35	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
1:C:799:LYS:O	1:C:804:GLN:N	1.73	0.98
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.98
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.98
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.98
1:C:505:ILE:C	1:C:754:ARG:H	1.64	0.98
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.98
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.98
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.20	0.98
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.98
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.98
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.98
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.98
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.98
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.98
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.98
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.98
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.98
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.98
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.98
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.98
1:C:358:MET:HE1	1:C:426:LEU:HB2	1.01	0.98
1:C:472:PHE:HB3	1:C:597:LYS:HD3	1.40	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.98
1:C:806:ILE:HG13	1:C:807:GLY:H	1.23	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.98
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.98
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	0.98
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.98
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.98
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.98
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.98
1:C:503:GLU:HG3	1:C:761:PHE:HZ	0.94	0.98
1:C:503:GLU:CG	1:C:761:PHE:HZ	1.76	0.98
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.98
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.81	0.98
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.98
1:C:510:ILE:HD11	1:C:707:PHE:CZ	1.82	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.98
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.98
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.98
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.98
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.98
1:C:746:LEU:HD11	1:C:777:ARG:HH21	1.27	0.98
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.98
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.98
1:C:166:ASP:CB	1:C:719:ARG:NH1	2.16	0.98
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	0.98
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.20	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.98
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
2:Y:56:LEU:C	2:Y:56:LEU:CD1	2.30	0.98
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.98
2:Y:53:ASP:O	2:Y:57:THR:HG23	1.60	0.98
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.98
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.98
2:Y:100:GLU:CB	3:Z:128:LEU:HA	1.93	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.98	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.98
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.98
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.98
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.98
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.98
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	0.98
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.98
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.41	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.98
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.98
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	0.98
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.98
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.98
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:500:TYR:CE2	1:C:707:PHE:HE1	1.73	0.98
1:C:507:TRP:CZ3	1:C:707:PHE:CA	2.45	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.77	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.98
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.98
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.98
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.98
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.98
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.98
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.98
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.98
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.98
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.98
1:C:504:GLY:O	1:C:755:LEU:CB	0.69	0.98
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.98
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.98
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	0.98
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.98
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.98
1:C:500:TYR:O	1:C:754:ARG:NE	1.96	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.98
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.98
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.44	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.98
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.98
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.98
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.96	0.98
1:C:502:LYS:CD	1:C:756:GLY:O	2.12	0.98
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.98
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.96	0.98
1:C:792:TYR:OH	2:Y:99:GLN:N	1.97	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.98
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.98
1:C:780:LYS:HG3	3:Z:45:ARG:HH12	1.22	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.98
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.96	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.98
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.98
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	0.98
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.29	0.98
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.98
1:C:144:ARG:HH11	1:C:770:LEU:HD22	1.27	0.98
1:C:615:GLU:HB3	1:C:618:VAL:HG22	1.40	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.98
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.96	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.98
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.98
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	0.98
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.98
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.98
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.98
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	0.98
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.98
1:C:801:LEU:HD13	3:Z:17:LEU:HD21	1.43	0.98
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.98
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.98
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.98
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	0.98
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.98
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.98
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.98
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.98
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.98
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.98
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.98
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.98
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.98
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	0.98
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.98
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.98
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.98
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.98
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.98
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	0.98
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.98
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	0.98
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.98
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.98
1:C:503:GLU:OE2	1:C:711:LEU:HD12	1.63	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.98
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.98
1:C:552:TYR:CE1	1:C:556:MET:HE2	1.93	0.98
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.98
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.98
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.98
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.98
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.98
1:C:705:LYS:C	1:C:706:GLY:C	2.31	0.98
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.98
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.98
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.98
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.98
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.98
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.98
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.98
1:C:148:ILE:HG22	1:C:775:ASP:HB3	1.43	0.98
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.98
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.98
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.98
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.98
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.98
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.98
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:830:TYR:O	1:C:833:VAL:HG22	1.61	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.32	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.92	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.98
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.98
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.98
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	0.98
2:Y:99:GLN:HE21	3:Z:127:LYS:HE2	1.23	0.98
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.98
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.41	0.98
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.98
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.98
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.98
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.98
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	0.98
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.98
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.98
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.98
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.98
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.98
2:Y:116:MET:HA	3:Z:23:GLY:N	1.76	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.98
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.98
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.98
1:C:505:ILE:HG23	1:C:753:TYR:HA	1.43	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:723:LEU:C	1:C:777:ARG:NH1	2.21	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.98
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.98
1:C:498:GLU:HB3	1:C:756:GLY:CA	1.93	0.98
1:C:505:ILE:C	1:C:754:ARG:C	2.26	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.98
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.98
1:C:499:GLU:HB3	1:C:761:PHE:CE2	1.97	0.98
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.98
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.98
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.23	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:507:TRP:CD1	1:C:751:ALA:O	2.15	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:335:PHE:CE1	1:C:340:PHE:CG	2.50	0.98
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.98
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.98
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.98
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.98
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.98
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.98
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.98
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:503:GLU:CG	1:C:761:PHE:CZ	2.46	0.98
2:Y:99:GLN:NE2	3:Z:127:LYS:CE	1.86	0.98
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.98
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.98
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.98
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.98
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.98
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.98
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.98
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:507:TRP:CD2	1:C:763:LYS:CB	2.47	0.98
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
1:C:164:VAL:H	1:C:774:ARG:NE	1.54	0.98
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.98
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.98
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.98
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.98
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.98
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.98
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.98
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.98
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.98
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.98
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.98
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.60	0.98
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.98
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.98
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.98
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.98
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.98
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.98
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.98
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.98
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.98
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.44	0.98
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.98
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.98
1:C:504:GLY:CA	1:C:762:PHE:CE2	2.47	0.98
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.98
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:505:ILE:O	1:C:755:LEU:N	1.96	0.98
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.98
1:C:801:LEU:HD21	3:Z:21:TRP:CZ3	1.96	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:503:GLU:HB3	1:C:755:LEU:C	1.86	0.98
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.98
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.98
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.75	0.98
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.25	0.98
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.98
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.98
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.98
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.98
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.98
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.98
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.98
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.98
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.98
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	0.98
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.98
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.98
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.98
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.98
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.98
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.98
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.98
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.98
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.98
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.98
1:C:505:ILE:HD11	1:C:754:ARG:HE	1.28	0.98
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.98
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.28	0.98
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.98
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.98
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.98
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.98
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.98
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.98
1:C:503:GLU:OE1	1:C:711:LEU:HA	1.05	0.98
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.98
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.98
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.98
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.98
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	0.98
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	0.98
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	0.98
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.98
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.98
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.76	0.98
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.98
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.98
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.98
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.41	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
1:C:723:LEU:HA	1:C:777:ARG:NH1	1.77	0.98
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.81	0.98
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.98
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.98
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.98
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.98
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.98
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	0.98
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.98
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.98
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.25	0.98
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.98
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.98
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.98
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.98
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.98
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.98
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.98
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.98
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.98
1:C:173:LEU:HD23	1:C:459:LEU:HB2	1.42	0.98
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.98
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.98
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.98
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.98
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.98
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.98
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.98
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
1:C:505:ILE:CG1	1:C:762:PHE:O	2.07	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.98
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.98
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
1:C:799:LYS:HA	1:C:802:GLN:CB	1.94	0.98
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
1:C:499:GLU:CB	1:C:710:ARG:NH1	2.26	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:448:THR:HB	3:Z:102:SER:CA	1.93	0.98
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.98
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.82	0.98
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.98
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	0.98
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.98
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.98
1:C:505:ILE:HD13	1:C:761:PHE:CD1	1.99	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.98
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.64	0.98
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.98
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.98
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.98
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.98
1:C:508:GLU:OE1	1:C:751:ALA:HB1	1.37	0.98
1:C:771:GLU:O	1:C:775:ASP:OD2	1.82	0.98
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.98
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.66	0.98
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.98
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.96	0.98
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.98
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.98
1:C:500:TYR:HE1	1:C:707:PHE:CB	1.69	0.98
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.98
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
1:C:503:GLU:HG3	1:C:761:PHE:HZ	1.29	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.98
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.98
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.98
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.98
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.98
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.98
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	0.98
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	0.98
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.98
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.98
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.98
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.98
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
1:C:503:GLU:HB2	1:C:761:PHE:CD1	1.99	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.96	0.98
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.98
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.98
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.98
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.40	0.98
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.98
1:C:454:TYR:HD1	3:Z:92:THR:HG22	0.82	0.98
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.40	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.98
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.28	0.98
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.98
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.98
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.98
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.98
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.98
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.98
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	0.98
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.98
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.98
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
1:C:505:ILE:HD11	1:C:752:GLU:HB3	1.45	0.98
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.98
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.98
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
1:C:715:GLU:HA	3:Z:91:LYS:HE2	1.43	0.98
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.98
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.98
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.98
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.98
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.98
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.98
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.98
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	0.98
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.98

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.98
1:C:499:GLU:HB2	1:C:710:ARG:HD3	1.45	0.98
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.29	0.98
1:C:800:LYS:C	1:C:801:LEU:C	2.32	0.98
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.98
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.98
1:C:12:TYR:CE1	1:C:131:ILE:HB	1.97	0.98
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	0.98
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.98
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.98
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.98
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.98
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.98
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.98
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.98
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.98
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.98
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.98
1:C:505:ILE:HD12	1:C:754:ARG:HE	1.26	0.98
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.98
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.77	0.98
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	0.98
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.98
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.98
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.98
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.77	0.98
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.98
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.81	0.98
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.41	0.98
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	0.98
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.98
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.98
2:Y:94:ALA:O	3:Z:128:LEU:HD21	1.64	0.98
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.97
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.97
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97
1:C:796:LYS:HD3	3:Z:128:LEU:CD1	1.92	0.97
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.97
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.97
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.97
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.97
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.97
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.97
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.97
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:806:ILE:HG13	1:C:807:GLY:H	1.23	0.97
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.97
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.97
1:C:100:LEU:HD11	1:C:688:LEU:HA	1.41	0.97
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.28	0.97
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.97
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.97
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.97
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.97
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.97
1:C:505:ILE:HD11	1:C:754:ARG:HE	1.28	0.97
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.97
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.97
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.97
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.97
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.97
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.97
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.97
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.97
1:C:503:GLU:CG	1:C:760:VAL:CG2	2.35	0.97
1:C:505:ILE:CD1	1:C:761:PHE:N	2.26	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.97
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.97
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.97
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.97
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	0.97
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.97
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.97
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.77	0.97
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.97
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.97
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.97
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	0.97
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.75	0.97
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.97
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.97
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	0.97
2:Y:86:GLU:HA	2:Y:89:ILE:HD11	1.40	0.97
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	0.97
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.97
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.97
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	0.97
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.97
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.97
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.23	0.97
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.20	0.97
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.97
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.97
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.97
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.97
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	0.97
1:C:801:LEU:CD1	3:Z:17:LEU:HD21	1.94	0.97
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.97
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:83:PHE:O	3:Z:87:MET:HG2	1.61	0.97
1:C:257:ILE:O	1:C:257:ILE:HG12	1.64	0.97
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.29	0.97
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.97
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.77	0.97
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.96	0.97
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.97
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.97
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.97
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.97
3:Z:33:LEU:O	3:Z:36:VAL:HG22	1.61	0.97
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.97
1:C:484:LEU:C	1:C:484:LEU:CD2	2.33	0.97
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.97
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.97
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.97
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.97
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.97
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.97
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.97
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.97
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.97
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.97
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.97
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.62	0.97
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.97
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.97
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
1:C:494:ILE:C	1:C:754:ARG:CD	2.36	0.97
2:Y:89:ILE:HG13	2:Y:145:THR:HG23	1.41	0.97
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.97
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.97
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.97
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.97
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	0.97
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.97
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.97
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.97
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.97
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.97
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.97
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.97
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.97
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.97
1:C:505:ILE:HB	1:C:762:PHE:HA	1.07	0.97
1:C:505:ILE:HD13	1:C:766:VAL:HG11	1.02	0.97
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.97
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:167:ARG:HH22	3:Z:92:THR:HB	1.29	0.97
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.97
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.97
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.97
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.97
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.97
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.97
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.97
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.50	0.97
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.97
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.97
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.97
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.97
1:C:437:TRP:CA	1:C:440:ARG:HH21	1.76	0.97
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.97
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.97
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.97
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	0.97
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.97
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.97
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.97
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.97
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.97
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.97
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.97
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.97
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.97
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	0.97
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.97
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.97
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.97
1:C:174:ILE:CD1	1:C:182:LYS:CA	2.40	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:148:ILE:HD12	1:C:775:ASP:OD2	1.63	0.97
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.97
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.97
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.97
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.97
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.97
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.97
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.97
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.63	0.97
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.97
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.97
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.97
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.97
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.97
1:C:500:TYR:O	1:C:709:SER:HB3	1.61	0.97
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.97
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.97
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.97
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.97
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.97
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.97
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.97
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.97
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.97
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.97
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	0.97
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.97
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.97
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.97
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.97
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.97
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.97
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.97
1:C:595:LEU:CD1	1:C:596:GLU:N	2.20	0.97
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.44	0.97
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	0.97
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	0.97
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.97
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.97
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.97
1:C:773:MET:CA	1:C:776:GLU:CG	2.41	0.97
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.97
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.97
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.97
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.97
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.97
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.97
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.97
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.97
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.97
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.97
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.97
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.97
1:C:506:ALA:HB2	1:C:754:ARG:NH2	1.79	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.77	0.97
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.77	0.97
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.97
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.97
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.97
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.97
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.93	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.77	0.97
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.77	0.97
1:C:437:TRP:HA	1:C:440:ARG:NE	1.76	0.97
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.97
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.97
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.97
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.64	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.77	0.97
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.97
1:C:499:GLU:O	1:C:710:ARG:HA	1.63	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.97
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.97
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.97
1:C:696:VAL:HG23	1:C:697:LEU:H	1.30	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.97
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.97
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.97
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.44	0.97
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97
1:C:688:LEU:HD23	1:C:688:LEU:O	1.62	0.97
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.97
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.97
1:C:503:GLU:CG	1:C:710:ARG:CA	2.18	0.97
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.97
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.97
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.97
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.97
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.97
1:C:806:ILE:HG13	1:C:807:GLY:H	1.22	0.97
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97
1:C:773:MET:HA	1:C:776:GLU:HB2	1.00	0.97
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.97
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.97
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.97
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.97
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	0.97
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.97
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.97
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.97
2:Y:37:LYS:HG3	2:Y:56:LEU:HG	1.01	0.97
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.97
1:C:163:MET:HE3	1:C:454:TYR:HE2	0.83	0.97
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.97
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.97
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.97
1:C:498:GLU:O	1:C:755:LEU:N	1.95	0.97
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.83	0.97
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.97
1:C:792:TYR:OH	2:Y:98:GLU:HG2	1.63	0.97
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.97
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.97
1:C:796:LYS:HE2	3:Z:128:LEU:HD21	1.02	0.97
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.97
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.97
1:C:358:MET:CE	1:C:426:LEU:HB2	1.92	0.97
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.97
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.97
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.97
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.97
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.97
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.97
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.97
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.97
1:C:143:LYS:HE3	1:C:775:ASP:C	1.88	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.97
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.97
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.97
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.97
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.97
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.98	0.97
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.97
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.97
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.29	0.97
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.97
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.97
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.97
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.97
1:C:164:VAL:CG1	1:C:778:LEU:HD12	1.91	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.97
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.97
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.97
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.97
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.97
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.97
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.97
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.97
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.30	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.10	0.97
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.97
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.97
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.97
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.97
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	0.97
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.97
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.97
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.97
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.97
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.97
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.97
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.97
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.97
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.97
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.97
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.97
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.97
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.97
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.97
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.97
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.97
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.97
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.97
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.97
1:C:180:ALA:CB	1:C:670:CYS:SG	2.52	0.97
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.97
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.92	0.97
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.97
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.64	0.97
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.97
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.97
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.97
1:C:437:TRP:HA	1:C:440:ARG:NE	1.77	0.97
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.97
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.97
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.97
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.97
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.97
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.97
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.97
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.97
1:C:246:PHE:CZ	1:C:248:ARG:HD3	1.98	0.97
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.97
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:100:LEU:CD1	1:C:688:LEU:CB	2.29	0.97
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	0.97
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.97
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
1:C:454:TYR:HE1	3:Z:92:THR:CB	1.70	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.97
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.97
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.97
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.97
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.63	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.97
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.97
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.97
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.96	0.97
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.97
1:C:799:LYS:HG3	1:C:803:ASP:HB2	0.98	0.97
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.97
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.97
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.97
1:C:723:LEU:HA	1:C:777:ARG:NE	1.79	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.23	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.97
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.97
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.98	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.64	0.97
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.97
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.97
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.97
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.97
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.97
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.97
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.28	0.97
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.97
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.97
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.97
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.97
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.97
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.97
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.97
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.97
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.97
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.97
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.97
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.97
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.97
1:C:703:CYS:O	1:C:764:ALA:HB2	1.63	0.97
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.63	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.97
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.97
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.83	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.97
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.83	0.97
2:Y:107:GLU:HG3	3:Z:120:GLU:OE2	1.59	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:503:GLU:O	1:C:757:THR:HG23	1.64	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.97
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.97
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.97
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.97
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.97
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.97
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.97
2:Y:93:PHE:CZ	2:Y:141:TYR:HB2	1.98	0.97
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.97
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
1:C:506:ALA:CB	1:C:754:ARG:NH2	2.27	0.97
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.97
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.97
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.97
1:C:503:GLU:OE2	1:C:759:LYS:CB	2.12	0.97
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.97
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.97
1:C:146:THR:CG2	1:C:767:LEU:O	2.09	0.97
1:C:467:PHE:HD2	1:C:469:PHE:H	1.02	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.97
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.97
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.97
1:C:505:ILE:HG23	1:C:754:ARG:CG	1.95	0.97
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.27	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.97
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.97
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.97
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.97
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
1:C:503:GLU:O	1:C:757:THR:HG23	1.64	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.97
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.97
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	0.97
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.97
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.97
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.97
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.97
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.97
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.97
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.97
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.97
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.33	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.97
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.97
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.97
1:C:503:GLU:O	1:C:757:THR:HG23	1.64	0.97
1:C:725:PRO:HG2	3:Z:85:ASP:CG	1.90	0.97
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.97
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.28	0.97
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.97
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.97
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.97
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.97
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.14	0.97
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.97
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.97
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.97
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.97
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.77	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.97
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.97
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.97
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.97
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.97
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.97
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.97
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.14	0.97
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.97
1:C:144:ARG:HH21	1:C:773:MET:CB	1.78	0.97
1:C:703:CYS:O	1:C:764:ALA:CB	2.12	0.97
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.97
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.97
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.97
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.97
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.97
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.97
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.97
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.14	0.97
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.97
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:507:TRP:HB3	1:C:754:ARG:HG2	1.41	0.97
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.97
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.97
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.97
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.97
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.97
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.14	0.97
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.83	0.97
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.97
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.97
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:800:LYS:HG3	1:C:803:ASP:OD2	0.80	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.97
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.97
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.97
2:Y:117:GLY:CA	3:Z:20:PHE:CG	2.31	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.97
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.97
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.97
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.97
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.97
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.97
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.97
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.97
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.97
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.97
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.97
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.97
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	0.97
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.97
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.97
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.96	0.97
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.97
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.97
3:Z:17:LEU:CD2	3:Z:17:LEU:C	2.34	0.97
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.97
2:Y:96:PHE:O	3:Z:124:GLU:OE2	1.82	0.97
2:Y:102:LYS:N	3:Z:127:LYS:HD2	1.74	0.97
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.97
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.97
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.97
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	0.97
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.97
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.62	0.97
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.97
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.97
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.97
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.97
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.97
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.97
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.97
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.81	0.97
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.97
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.97
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.97
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.97
1:C:335:PHE:HB3	1:C:345:LYS:CD	1.90	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:490:HIS:CD2	1:C:495:LEU:HG	1.98	0.97
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.83	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.97
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.97
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.97
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.97
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.97
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.97
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.97
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	0.97
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.97
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	0.97
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.97
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.97
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.97
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.97
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.97
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.97
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.97
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.97
1:C:461:ILE:HA	1:C:462:ALA:N	1.80	0.97
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	0.97
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.97
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	0.97
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.97
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.97
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.97
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.97
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.97
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.97
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.97
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.97
1:C:505:ILE:HD11	1:C:754:ARG:HE	1.28	0.97
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.97
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.97
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.97
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.97
1:C:505:ILE:HD11	1:C:754:ARG:HE	1.28	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.97
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	0.97
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.97
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.97
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.97
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.97
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.97
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.97
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.97
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.97
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.97
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.97
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.97
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.97
1:C:725:PRO:HD3	1:C:777:ARG:HH22	1.27	0.97
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.97
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.97
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.97
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.97
3:Z:111:THR:CA	3:Z:117:LEU:CD1	2.41	0.97
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.97
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.92	0.97
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.97
1:C:499:GLU:CB	1:C:710:ARG:CD	2.43	0.97
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.97
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.97
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.97
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.97
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.97
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.97
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.97
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.97
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.97
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.97
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.97
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.97
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.97
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.28	0.97
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:253:PRO:CA	3:Z:95:ARG:CD	2.40	0.97
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.97
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.97
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.97
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.97
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.92	0.97
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.97
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.97
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.97
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.97
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.97
1:C:177:GLU:HG3	1:C:672:ILE:CG2	1.90	0.97
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.97
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.92	0.97
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.97
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.97
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.97
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.97
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.97
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.97
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.97
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.97
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.97
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.97
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.97
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.97
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.97
1:C:285:PHE:CD1	1:C:311:PHE:CE1	2.49	0.97
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.97
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.97
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.97
1:C:472:PHE:CA	1:C:594:TRP:CZ3	2.47	0.97
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.97
3:Z:18:PHE:CZ	3:Z:32:LYS:CB	2.46	0.97
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.97
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.92	0.97
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.95	0.97
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.97
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.97

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.97
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:165:THR:O	1:C:715:GLU:OE2	1.81	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.96
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.96
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.96
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.96
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.96
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:504:GLY:HA2	1:C:767:LEU:CD1	1.89	0.96
1:C:796:LYS:HZ2	2:Y:98:GLU:HB2	1.26	0.96
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.96
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.96
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.96
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.96
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.96
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.96
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	0.96
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.96
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.96
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.96
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.96
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.96
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.96
1:C:773:MET:CA	1:C:776:GLU:HG3	1.95	0.96
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.96
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.96	0.96
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.96
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.96
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.96
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.96
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.96
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.96
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.96
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.96
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	0.96
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.30	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.96
1:C:146:THR:H	1:C:771:GLU:CB	1.67	0.96
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.96
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.96
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.96
1:C:704:ARG:HG3	1:C:764:ALA:HB3	0.99	0.96
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	0.96
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.96
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.96
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	0.96
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.96
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.96
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.96
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.28	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.43	0.96
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.96
1:C:503:GLU:O	1:C:757:THR:HG23	1.64	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.96
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.96
1:C:104:ARG:HH21	1:C:682:VAL:CG2	1.76	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.96
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	0.96
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.25	0.96
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.96
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.96
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	0.96
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.96
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.96
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	0.96
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.96
1:C:500:TYR:CG	1:C:707:PHE:CB	2.46	0.96
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.96
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.96
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.96
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.80	0.96
1:C:507:TRP:CE3	1:C:763:LYS:HA	2.00	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.96
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.96
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.80	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.80	0.96
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.15	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.96
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.80	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.96
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96
1:C:507:TRP:CE3	1:C:707:PHE:HE1	1.83	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.96
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.80	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.96
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.80	0.96
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.96
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.96
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.96
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.96
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.96
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.24	0.96
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.96
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.96
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
1:C:799:LYS:O	1:C:803:ASP:OD1	1.82	0.96
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.96
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.96
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.96
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.96
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.96
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.96
1:C:577:HIS:ND1	1:C:591:ILE:HD13	1.78	0.96
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.96
1:C:507:TRP:HB2	1:C:763:LYS:CA	1.93	0.96
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.96
2:Y:108:TYR:CE1	3:Z:118:SER:OG	2.17	0.96
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.96
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.96
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.83	0.96
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.77	0.96
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.96
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.96
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.96
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.96
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.96
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.96
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.96
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.96
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.96
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.96
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.96
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.96
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.96
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.96
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.96
1:C:499:GLU:OE2	1:C:759:LYS:CD	2.12	0.96
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.96
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.96
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.96
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.96
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.96
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.44	0.96
1:C:801:LEU:CD2	3:Z:21:TRP:CZ3	2.48	0.96
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.96
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.96
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.96
1:C:502:LYS:HG2	1:C:759:LYS:H	1.29	0.96
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	0.96
2:Y:117:GLY:N	3:Z:24:ARG:N	2.11	0.96
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.96
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.96
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	0.96
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.96
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.96
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.96
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	0.96
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.96
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.96
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.96
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.96
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.96
1:C:492:MET:O	1:C:710:ARG:NH2	1.98	0.96
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
1:C:116:SER:HB2	1:C:700:ILE:HD11	1.44	0.96
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	0.96
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.96
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.77	0.96
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.96
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.96
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.96
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.96
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.96
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.96
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.96
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.96
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.96
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.96
2:Y:138:LYS:HA	3:Z:120:GLU:OE1	1.63	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.96
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.43	0.96
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.96
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.96
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.96
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.96
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.96
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.96
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.96
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.66	0.96
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.96
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
3:Z:141:TYR:CE2	3:Z:145:VAL:HG11	1.97	0.96
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.96
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.96
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.77	0.96
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.96
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.96
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.96
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.96
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.96
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.43	0.96
2:Y:101:THR:OG1	3:Z:126:ILE:HG12	1.58	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.96
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.96
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.96
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.28	0.96
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.96
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.96
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.96
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.96
1:C:510:ILE:HG23	1:C:763:LYS:CE	1.96	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.96
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.96
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.96
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.96
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.96
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.96
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.96
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.96
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.96
1:C:129:LEU:HD22	1:C:131:ILE:N	1.72	0.96
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.96
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.96
1:C:503:GLU:HG2	1:C:759:LYS:CB	1.95	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.96
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.96
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.96
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.64	0.96
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.96
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.96
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.96
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.96
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.96
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.96
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.96
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.96
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.96
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.96
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.96
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:174:ILE:CD1	1:C:182:LYS:HG2	1.93	0.96
1:C:293:ILE:HD12	1:C:328:PHE:CZ	1.93	0.96
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.96
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.96
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.96
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.44	0.96
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.96
1:C:800:LYS:C	1:C:803:ASP:OD1	2.08	0.96
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.96
1:C:366:ARG:HH12	1:C:368:ARG:CZ	1.76	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.96
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.96
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.96
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.96
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.96
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.96
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.96
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	0.96
1:C:507:TRP:CZ3	1:C:707:PHE:HD1	1.80	0.96
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.96
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.96
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.96
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	0.96
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.96
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.96
1:C:771:GLU:O	1:C:775:ASP:OD2	1.82	0.96
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.96
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.96
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.96
1:C:509:PHE:O	1:C:751:ALA:HA	1.64	0.96
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.96
1:C:796:LYS:HE3	2:Y:98:GLU:HB3	0.97	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.96
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.96
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.96
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.96
1:C:697:LEU:C	1:C:697:LEU:CD2	2.30	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.96
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	0.96
1:C:129:LEU:HD22	1:C:131:ILE:N	1.73	0.96
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.96
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.96
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.96
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.96
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.25	0.96
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.96
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.96
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.96
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.96
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.83	0.96
2:Y:127:MET:HA	2:Y:130:LYS:HE3	1.43	0.96
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.96
1:C:499:GLU:HG3	1:C:710:ARG:HD2	1.46	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.43	0.96
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.96
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.43	0.96
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.96
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.96
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.96
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.96
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.96
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.96
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.63	0.96
1:C:70:LYS:HE3	1:C:72:ASP:HB3	1.44	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.43	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.96
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.47	0.96
1:C:509:PHE:CD1	1:C:754:ARG:NH1	2.33	0.96
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.96
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.47	0.96
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.96
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.96
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.96
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.96
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.44	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.96
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.96
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.47	0.96
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.96
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.96
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.96
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.96
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.96
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.96
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.96
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.47	0.96
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.96
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.96
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.96
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.96
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.96
1:C:672:ILE:O	1:C:672:ILE:HG12	1.64	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.96
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.96
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.31	0.96
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.96
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.96
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.96
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.96
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.96
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:799:LYS:HG3	1:C:803:ASP:HB3	1.45	0.96
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.96
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.96
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.28	0.96
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.96
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.44	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.96
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.96
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.96
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.96
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.96
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.96
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
2:Y:102:LYS:H	3:Z:127:LYS:CD	1.76	0.96
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.96
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.96
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.96
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.96
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.96
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.96
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.96
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.28	0.96
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.96
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.96
1:C:144:ARG:HE	1:C:147:GLU:CG	1.77	0.96
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.96
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.96
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.96
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.96
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.96
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.96
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.96
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.96
1:C:510:ILE:HG13	1:C:512:PHE:CZ	1.99	0.96
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	0.96
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.96
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.81	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.96
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.96
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.96
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.96
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.96
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.66	0.96
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.96
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.80	0.96
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.96
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.96
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.96
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.96
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.96
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.96
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.96
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.96
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.96
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.96
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.96
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	0.96
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.96
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.96
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.96
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	0.96
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.96
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.44	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.96
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.96
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.96
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.96
1:C:501:LYS:HD2	1:C:753:TYR:CE1	2.00	0.96
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.96
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.96
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.96
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.96
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.96
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.96
1:C:144:ARG:NH1	1:C:719:ARG:CZ	2.29	0.96
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.96
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.66	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.96
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.96
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.96
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.96
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.96
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.96
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.20	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.43	0.96
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.96
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.28	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.96
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.96
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.96
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.96
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.96
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
1:C:193:LEU:C	1:C:193:LEU:CD2	2.34	0.96
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.96
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.96
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.96
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.96
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.96
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.96
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.96
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.96
1:C:365:GLN:CG	1:C:366:ARG:H	1.76	0.96
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.96
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.96
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.96
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.96
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.96
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.96
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.96
1:C:146:THR:CG2	1:C:768:GLY:CA	2.10	0.96
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.96
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.96
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.96
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	0.96
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:505:ILE:CD1	1:C:766:VAL:CG1	2.42	0.96
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.96
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.66	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.96
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.20	0.96
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.96
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.96
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.66	0.96
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.96
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.15	0.96
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.43	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.66	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.96
1:C:506:ALA:HB2	1:C:762:PHE:CD2	2.01	0.96
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.27	0.96
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.96
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.96
1:C:350:LYS:HZ2	1:C:386:LEU:HG	1.15	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	0.96
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.96
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.83	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.96
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.96
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.96
1:C:144:ARG:HH11	1:C:771:GLU:HB3	1.28	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.96
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.96
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.96
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.96
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.96
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.96
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.96
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.96
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.96
2:Y:97:ASP:OD2	3:Z:127:LYS:HB3	1.63	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.96
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.83	0.96
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.96
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.96
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.96
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.64	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.96
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.96
1:C:166:ASP:HA	1:C:720:TYR:HA	1.47	0.96
1:C:453:ASN:C	3:Z:91:LYS:HG2	1.90	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.96
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.96
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.96
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.96
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.96
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.96
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.96
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.96
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.96
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.96
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.96
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.96
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.96
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.96
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.96
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.96
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.96
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.96
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.96
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.27	0.96
1:C:12:TYR:O	1:C:12:TYR:CG	2.15	0.96
1:C:507:TRP:CB	1:C:754:ARG:HD3	1.96	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.96
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.96
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.96
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.32	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.96
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.26	0.96
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.96
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.96
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.96
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.96
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.96
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.96
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.96
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.96
1:C:146:THR:N	1:C:771:GLU:N	2.14	0.96
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.96
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.96
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.96
1:C:10:PHE:CD2	1:C:14:ALA:CB	2.47	0.96
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.96
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.77	0.96
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.96
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.96
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.96
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.96
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.96
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.96
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.96
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.96
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.96
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.96
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.82	0.96
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.96
1:C:144:ARG:HH11	1:C:771:GLU:HB3	1.28	0.96
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.96
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.96
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.96
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.96
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.96
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.96
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.96
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.96
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.11	0.96
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.96
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.96
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.96
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.96
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.20	0.96
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.96
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.96
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.96
1:C:448:THR:CB	3:Z:102:SER:CB	1.78	0.96
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.11	0.96
1:C:664:HIS:NE2	1:C:711:LEU:HD12	1.77	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.96
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.96
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	0.96
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.66	0.96
2:Y:99:GLN:HG2	3:Z:128:LEU:HD23	1.47	0.96
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.96
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.96
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.96
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.11	0.96
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.96
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.96
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.96
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.96
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.96
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.11	0.96
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	0.96
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.96
3:Z:42:ILE:HD13	3:Z:44:PRO:HG3	1.44	0.96
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.11	0.96
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	0.96
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.96
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.96
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.11	0.96
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.96
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.11	0.96
1:C:505:ILE:CD1	1:C:752:GLU:CB	2.32	0.96
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.96
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	0.96
1:C:505:ILE:CD1	1:C:761:PHE:CD1	2.48	0.96
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.96
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.96
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.43	0.96
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.96
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.83	0.96
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.96
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.96
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.43	0.96
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.44	0.96
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.96
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.25	0.96
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.96
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.96
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.96
1:C:800:LYS:C	1:C:802:GLN:H	1.74	0.96
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.96
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.96
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.96

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.96
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.96
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.96
1:C:120:CYS:SG	1:C:668:VAL:HG12	2.04	0.96
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.96
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.84	0.96
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.43	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.96
1:C:505:ILE:HB	1:C:761:PHE:C	1.83	0.96
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.96
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.96
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.96
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.66	0.96
1:C:280:ARG:HG2	1:C:286:TYR:CE1	1.96	0.96
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.96
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.96
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.96
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.96
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.96
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.96
3:Z:42:ILE:HD11	3:Z:44:PRO:CD	1.89	0.96
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.96
2:Y:98:GLU:C	3:Z:128:LEU:HD12	1.88	0.96
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.96
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.96
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:82:PHE:HB3	1:C:91:MET:SD	2.04	0.95
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.95
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.44	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:800:LYS:HZ2	2:Y:95:MET:HG2	1.31	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.95
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.95
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.95
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.95
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:498:GLU:O	1:C:755:LEU:C	2.07	0.95
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.95
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.47	0.95
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.95
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.95
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.95
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.95
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.95
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.95
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.47	0.95
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.95
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.95
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.47	0.95
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.95
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.95
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.95
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.95
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:503:GLU:HG3	1:C:761:PHE:HZ	1.29	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.95
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.95
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.95
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.95
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.66	0.95
1:C:525:LYS:CG	1:C:526:PRO:CG	2.43	0.95
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.95
1:C:503:GLU:HB3	1:C:761:PHE:HE1	1.28	0.95
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.95
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.95
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.95
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.47	0.95
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.95
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.95
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.95
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.95
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	0.95
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.95
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.95
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.95
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.95
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.95
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.95
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.95
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.95
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.95
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.95
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.95
1:C:461:ILE:HA	1:C:462:ALA:N	1.80	0.95
1:C:801:LEU:HD13	3:Z:17:LEU:HD21	1.46	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
1:C:800:LYS:C	1:C:801:LEU:N	2.23	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:502:LYS:HB3	1:C:759:LYS:N	1.77	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:495:LEU:O	1:C:761:PHE:CZ	2.18	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.95
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.95
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.66	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.95
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.95
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.95
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.95
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.95
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.95
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.95
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.43	0.95
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.93	0.95
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.95
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.95
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.95
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.95
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.95
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.95
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.95
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.95
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.95
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.95
1:C:238:ASN:HD21	1:C:322:ILE:CG1	1.78	0.95
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.95
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.95
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.95
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.95
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.95
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.95
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.95
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.95
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.95
1:C:506:ALA:HA	1:C:766:VAL:HG11	1.48	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:461:ILE:HA	1:C:462:ALA:N	1.80	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.95
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.66	0.95
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.95
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.95
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.95
1:C:219:ILE:HG13	1:C:220:ILE:N	1.68	0.95
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.95
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.95
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.95
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.95
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.95
1:C:506:ALA:N	1:C:709:SER:CB	2.29	0.95
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.20	0.95
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.95
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.95
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.95
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.66	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.95
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.95
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.95
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.95
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.95
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.95
1:C:503:GLU:OE2	1:C:710:ARG:C	2.09	0.95
1:C:796:LYS:HD3	3:Z:128:LEU:HD11	1.44	0.95
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.95
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.95
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.95
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.95
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.95
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.95
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.95
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.95
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.43	0.95
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.66	0.95
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	0.95
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.02	0.95
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.95
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.95
1:C:8:PRO:CD	3:Z:115:GLU:HG2	1.96	0.95
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.95
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:82:PHE:HB3	1:C:91:MET:SD	2.05	0.95
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.95
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.95
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.95
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.95
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
1:C:672:ILE:O	1:C:672:ILE:HG12	1.63	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.95
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.95
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.95
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.95
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.95
1:C:700:ILE:O	1:C:703:CYS:SG	2.22	0.95
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.95
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.95
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.95
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.95
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.95
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.10	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.95
1:C:254:THR:OG1	3:Z:95:ARG:NH2	1.99	0.95
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.11	0.95
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.95
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.95
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.95
2:Y:100:GLU:CB	3:Z:127:LYS:HD3	1.97	0.95
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.95
1:C:664:HIS:CD2	1:C:711:LEU:CD1	1.78	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.95
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.95
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.95
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.95
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.02	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.95
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.95
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.95
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.95
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.95
1:C:503:GLU:O	1:C:757:THR:HG23	1.64	0.95
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.95
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.95
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.95
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.95
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.95
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.67	0.95
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.95
1:C:498:GLU:HB3	1:C:756:GLY:HA2	1.44	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.95
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.95
1:C:700:ILE:O	1:C:703:CYS:SG	2.23	0.95
1:C:773:MET:C	1:C:776:GLU:HB2	1.90	0.95
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.95
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.95
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.66	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.95
1:C:505:ILE:HD13	1:C:754:ARG:HB3	0.96	0.95
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.95
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.95
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.95
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.44	0.95
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.95
1:C:800:LYS:CA	1:C:803:ASP:OD1	2.14	0.95
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.95
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.95
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.95
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.95
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.44	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.95
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.30	0.95
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.95
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.95
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	0.95
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.95
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.95
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.95
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.95
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.95
1:C:163:MET:CG	1:C:170:GLN:HG3	1.80	0.95
2:Y:105:ASN:CB	3:Z:120:GLU:OE2	2.09	0.95
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:773:MET:CA	1:C:776:GLU:CG	2.44	0.95
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.95
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.95
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.95
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.95
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.95
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.95
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.95
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.95
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.95
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.95
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.95
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.95
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.95
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.95
1:C:146:THR:OG1	1:C:771:GLU:HB3	1.66	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.95
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.97	0.95
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.95
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.95
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.95
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.95
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.95
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.67	0.95
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.95
1:C:504:GLY:H	1:C:755:LEU:N	1.61	0.95
1:C:505:ILE:HB	1:C:753:TYR:C	1.92	0.95
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.95
1:C:499:GLU:HB3	1:C:710:ARG:HA	1.46	0.95
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.95
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.95
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.95
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.95
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.02	0.95
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:800:LYS:C	1:C:801:LEU:C	2.34	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:810:VAL:HG23	1:C:811:ILE:N	1.81	0.95
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.95
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.95
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.95
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.95
2:Y:138:LYS:NZ	3:Z:123:ASP:CA	2.30	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.95
1:C:8:PRO:HD3	3:Z:115:GLU:CG	1.96	0.95
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.95
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.95
1:C:505:ILE:CG2	1:C:754:ARG:CB	1.89	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.95
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.95
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.43	0.95
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.95
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.43	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.95
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.95
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.95
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.95
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.95
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.95
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
1:C:503:GLU:OE1	1:C:755:LEU:O	1.85	0.95
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.95
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.95
1:C:503:GLU:HG3	1:C:761:PHE:HZ	1.28	0.95
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.95
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.95
1:C:503:GLU:HG3	1:C:761:PHE:HZ	1.28	0.95
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.95
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
3:Z:123:ASP:HA	3:Z:126:ILE:HD13	1.43	0.95
1:C:502:LYS:CA	1:C:713:TYR:CZ	2.49	0.95
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.30	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.95
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.95
1:C:505:ILE:CG1	1:C:763:LYS:N	1.84	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.44	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.95
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.95
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.95
1:C:502:LYS:HE2	1:C:756:GLY:C	1.91	0.95
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.95
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.95
2:Y:101:THR:CG2	3:Z:124:GLU:C	2.39	0.95
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.44	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.66	0.95
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.95
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.95
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.95
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.95
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.44	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.43	0.95
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.95
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.95
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.95
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.95
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.43	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.95
1:C:104:ARG:HH12	1:C:684:ALA:CB	1.77	0.95
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.95
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.28	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.95
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.44	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.95
2:Y:101:THR:N	3:Z:128:LEU:N	2.14	0.95
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.95
1:C:503:GLU:CD	1:C:711:LEU:HA	1.89	0.95
1:C:504:GLY:C	1:C:767:LEU:CD2	2.40	0.95
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.95
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.95
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.95
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.95
1:C:350:LYS:HE3	1:C:386:LEU:CB	1.95	0.95
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.95
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.95
1:C:799:LYS:CA	1:C:802:GLN:HB2	1.96	0.95
2:Y:100:GLU:HB2	3:Z:127:LYS:HE2	1.46	0.95
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.95
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.95
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.95
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.95
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.95
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.95
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.95
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.95
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.83	0.95
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.80	0.95
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.95
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.95
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.95
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.95
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.95
1:C:502:LYS:HA	1:C:713:TYR:OH	0.78	0.95
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.95
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.95
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.95
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.95
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	0.95
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.95
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.95
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:499:GLU:OE2	1:C:759:LYS:HD2	1.67	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.95
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.95
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.95
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.49	0.95
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.95
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.95
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.95
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:505:ILE:CB	1:C:761:PHE:CB	2.36	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.95
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
1:C:799:LYS:O	1:C:802:GLN:N	1.98	0.95
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.95
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:289:CYS:SG	1:C:306:SER:HB3	2.07	0.95
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.95
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:498:GLU:CB	1:C:761:PHE:HE1	1.71	0.95
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.95
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.95
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.95
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.95
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.95
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.95
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.95
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.95
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.95
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.99	0.95
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:503:GLU:CG	1:C:761:PHE:CZ	2.48	0.95
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.95
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.99	0.95
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.95
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.99	0.95
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.95
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.95
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.95
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.95
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.95
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.95
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.95
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.97	0.95
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.95
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.99	0.95
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.95
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.95
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.95
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.99	0.95
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.95
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.95
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.95
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:104:ARG:NH1	1:C:684:ALA:CB	2.27	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.99	0.95
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.95
1:C:722:ILE:HG12	1:C:777:ARG:HD2	1.48	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.95
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.23	0.95
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.95
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.95
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.29	0.95
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	0.95
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.95
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.95
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.95
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.95
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.23	0.95
1:C:5:PHE:CE1	3:Z:45:ARG:NH1	2.35	0.95
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.95
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.95
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.23	0.95
1:C:502:LYS:C	1:C:755:LEU:O	2.09	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:18:PHE:HE1	3:Z:32:LYS:HG2	0.95	0.95
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.47	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.63	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.64	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.95
1:C:285:PHE:CD1	1:C:311:PHE:HZ	1.59	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.23	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.95
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.95
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.95
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.95
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.95
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.95
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.95
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.95
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.95
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.02	0.95
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.95
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.95
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.95
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.95
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.95
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.95
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.95
1:C:104:ARG:HH21	1:C:682:VAL:HG23	0.82	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.02	0.95
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.95
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.95
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.95
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.95
2:Y:93:PHE:CE1	2:Y:141:TYR:HB2	2.00	0.95
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.95
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.95
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.95
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.95
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.95
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.95
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.95
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.95
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.95
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.95
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.95
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.63	0.95
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.95
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.95
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.95
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.95
1:C:793:LEU:C	1:C:793:LEU:CD2	2.33	0.95
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.95
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.95
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.95
1:C:253:PRO:HA	3:Z:95:ARG:HD3	0.97	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.95
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.95
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.95
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.95
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.95
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.95
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.95
1:C:801:LEU:CD1	3:Z:21:TRP:HE3	1.77	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.49	0.95
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.95
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.95
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.95
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.95
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.95
2:Y:100:GLU:N	3:Z:127:LYS:HE2	1.77	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.95
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.95
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.95
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.95
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.95
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.95
1:C:461:ILE:HA	1:C:462:ALA:N	1.80	0.95
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.95
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.95
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.66	0.95
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.95
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.95
1:C:705:LYS:C	1:C:706:GLY:O	2.10	0.95
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.95
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.95
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.95
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.95
1:C:505:ILE:HB	1:C:761:PHE:HB2	1.43	0.95
1:C:507:TRP:CZ3	1:C:707:PHE:HA	2.02	0.95
1:C:507:TRP:HH2	1:C:706:GLY:O	1.50	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.95
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.95
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.95
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.95
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.27	0.95
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.95
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.95
1:C:505:ILE:CA	1:C:754:ARG:HB3	1.67	0.95
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.02	0.95
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.95
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.95
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.95
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.95
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.47	0.95
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.44	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.95
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.66	0.95
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.95
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.95
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
1:C:461:ILE:HA	1:C:462:ALA:N	1.80	0.95
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.95
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.95
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.95
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.95
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.47	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.95
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.95
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.95
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.95
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.95
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.95
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.95
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.95
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.95
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.95
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.44	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.95
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.95
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.95
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.95
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.95
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.95
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
1:C:694:ASN:OD1	1:C:696:VAL:HG13	1.65	0.95

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.95
1:C:144:ARG:HG3	1:C:147:GLU:HG2	1.36	0.95
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.95
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.95
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.95
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.95
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.95
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.95
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.95
1:C:503:GLU:CG	1:C:761:PHE:HE1	1.60	0.94
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.94
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.94
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.94
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.94
1:C:12:TYR:CZ	1:C:131:ILE:CG2	2.49	0.94
1:C:161:GLN:HE22	1:C:719:ARG:HD3	1.30	0.94
1:C:256:LYS:HB2	3:Z:95:ARG:HH12	0.79	0.94
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.94
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.94
2:Y:35:VAL:CG2	2:Y:67:LEU:HD12	1.94	0.94
2:Y:86:GLU:OE2	2:Y:149:LYS:HE2	1.63	0.94
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.94
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.94
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.94
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.94
1:C:166:ASP:CA	1:C:720:TYR:CA	2.45	0.94
1:C:256:LYS:O	3:Z:93:PHE:HD1	1.31	0.94
1:C:448:THR:CG2	3:Z:102:SER:CB	2.43	0.94
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.94
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.94
1:C:507:TRP:N	1:C:765:GLY:N	2.15	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.94
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.94
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.66	0.94
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.94
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.94
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.94
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.94
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.94
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.94
2:Y:132:ALA:CB	2:Y:139:PHE:HE1	1.77	0.94
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.94
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.94
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.94
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.94
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.47	0.94
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.94
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.94
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.94
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.94
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.94
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.94
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.94
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.78	0.94
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.94
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.94
2:Y:98:GLU:O	3:Z:128:LEU:HD12	1.64	0.94
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.66	0.94
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.78	0.94
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.94
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.94
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.94
2:Y:106:ILE:HD12	2:Y:106:ILE:O	1.63	0.94
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.94
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.94
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.94
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.94
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.78	0.94
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.94
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
2:Y:117:GLY:HA2	3:Z:20:PHE:HZ	1.20	0.94
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.94
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.94
1:C:180:ALA:HB3	1:C:670:CYS:SG	2.05	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.94
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.94
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.94
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.94
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.83	0.94
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.94
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.94
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:499:GLU:HB2	1:C:710:ARG:NH1	1.71	0.94
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.94
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.94
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.94
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.94
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
2:Y:138:LYS:CD	3:Z:123:ASP:HB3	1.80	0.94
1:C:56:ILE:CD1	1:C:58:VAL:CG1	2.43	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.78	0.94
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.94
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.94
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.25	0.94
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.94
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.94
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.94
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.94
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.94
1:C:704:ARG:HG3	1:C:764:ALA:HB1	1.48	0.94
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.94
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.94
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.94
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.94
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.94
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.94
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.94
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.94
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.94
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.94
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.94
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.94
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.94
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.94
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.94
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.94
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.94
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.94
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
1:C:500:TYR:CB	1:C:754:ARG:CB	2.42	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.94
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.94
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.29	0.94
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.94
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.94
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.94
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.94
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.94
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.94
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.94
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.94
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.94
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.94
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.94
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.94
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.94
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.94
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.94
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.94
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.94
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.94
2:Y:134:VAL:CG1	2:Y:139:PHE:HD1	1.78	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:810:VAL:HG23	1:C:811:ILE:N	1.81	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	0.99	0.94
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.94
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.94
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.94
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.94
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.94
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:800:LYS:HE3	1:C:804:GLN:CG	1.97	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.94
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.94
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.94
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.94
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.94
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.94
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.66	0.94
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.94
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.94
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.94
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.49	0.94
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.94
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.94
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.94
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.94
1:C:166:ASP:HA	1:C:720:TYR:CA	1.97	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
1:C:510:ILE:C	1:C:751:ALA:HB1	1.92	0.94
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.94
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.94
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.94
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.94
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.94
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.94
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.94
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.94
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.94
1:C:543:ASP:O	1:C:547:PHE:HD2	1.47	0.94
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.94
1:C:146:THR:OG1	1:C:771:GLU:CB	2.15	0.94
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	0.94
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.94
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:35:TRP:HH2	1:C:101:TYR:HB2	1.27	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.94
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.63	0.94
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.47	0.94
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.49	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.94
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.94
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
3:Z:44:PRO:CG	3:Z:75:LEU:CD1	2.30	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.94
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.94
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.84	0.94
2:Y:40:ILE:CG1	2:Y:56:LEU:CD2	2.33	0.94
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.94
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.94
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.94
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	0.94
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.94
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.94
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.94
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.85	0.94
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.94
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.94
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.94
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.94
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.94
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	0.94
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.97	0.94
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.94
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.02	0.94
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.94
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.94
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.85	0.94
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.67	0.94
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.94
1:C:501:LYS:CE	1:C:743:LEU:HD21	1.97	0.94
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.02	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.94
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.69	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:800:LYS:C	1:C:801:LEU:N	2.25	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.94
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.84	0.94
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.94
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.94
1:C:773:MET:CA	1:C:776:GLU:CG	2.44	0.94
1:C:810:VAL:HG23	1:C:811:ILE:N	1.81	0.94
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.20	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.94
2:Y:100:GLU:CG	3:Z:128:LEU:H	1.80	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.94
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.94
1:C:144:ARG:CB	1:C:774:ARG:HD3	1.98	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.49	0.94
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.47	0.94
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.94
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.94
1:C:461:ILE:HA	1:C:462:ALA:N	1.81	0.94
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.66	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.94
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.94
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.94
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.94
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.94
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.94
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.94
1:C:451:LYS:HB2	3:Z:141:TYR:HB2	1.43	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.94
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.94
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.94
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.94
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.94
1:C:503:GLU:HG3	1:C:761:PHE:HZ	1.29	0.94
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.94
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.32	0.94
1:C:505:ILE:HD12	1:C:752:GLU:HB3	1.17	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.94
1:C:505:ILE:CB	1:C:761:PHE:HD1	1.67	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.94
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.49	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.94
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.94
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.80	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.94
1:C:507:TRP:HE3	1:C:763:LYS:HA	1.29	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
1:C:5:PHE:HE1	1:C:780:LYS:CB	1.72	0.94
1:C:138:ALA:CB	3:Z:109:VAL:HA	1.96	0.94
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.94
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.94
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.94
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:810:VAL:HG23	1:C:811:ILE:N	1.81	0.94
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.12	0.94
1:C:500:TYR:HE1	1:C:707:PHE:HB2	1.13	0.94
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.94
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
1:C:249:ILE:HG12	1:C:456:ILE:HG23	1.43	0.94
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.94
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.94
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.26	0.94
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.94
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.94
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.94
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.94
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:781:ILE:CD1	3:Z:89:ALA:CB	2.44	0.94
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.94
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.94
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.02	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.94
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.94
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.94
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.02	0.94
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.94
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.02	0.94
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.94
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.94
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.94
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.94
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.94
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.94
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.94
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.02	0.94
1:C:500:TYR:CD1	1:C:761:PHE:HB3	1.70	0.94
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.94
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.94
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.94
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.94
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.02	0.94
1:C:505:ILE:CD1	1:C:766:VAL:HG23	1.93	0.94
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.94
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.02	0.94
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.94
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.94
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.94
1:C:505:ILE:HG12	1:C:754:ARG:CG	1.98	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:502:LYS:HG2	1:C:756:GLY:O	1.58	0.94
1:C:810:VAL:HG21	2:Y:92:ALA:HB1	1.45	0.94
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.20	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.49	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.94
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.94
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.49	0.94
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.94
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.94
1:C:502:LYS:O	1:C:755:LEU:HG	0.96	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:166:ASP:CA	1:C:720:TYR:HA	1.87	0.94
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.94
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.94
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.94
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.94
1:C:249:ILE:HG12	1:C:456:ILE:CG2	1.93	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.94
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.94
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.94
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.94
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.94
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.94
1:C:507:TRP:HB2	1:C:707:PHE:CE2	1.98	0.94
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.94
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.94
1:C:166:ASP:HA	1:C:719:ARG:HD3	0.96	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.94
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.94
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.94
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.49	0.94
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.80	0.94
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.94
1:C:505:ILE:CG2	1:C:709:SER:O	2.15	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.94
2:Y:99:GLN:CG	3:Z:121:ASP:HB3	1.97	0.94
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.94
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.94
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.94
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.94
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.94
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.94
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.94
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.49	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.02	0.94
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.94
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:736:LYS:O	1:C:740:GLU:HG2	1.65	0.94
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.04	0.94
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.94
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.94
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	0.94
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.94
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.97	0.94
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.15	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.94
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:799:LYS:HG2	1:C:803:ASP:CA	1.96	0.94
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.94
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.94
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.94
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.94
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.94
1:C:453:ASN:N	3:Z:94:ASP:H	1.66	0.94
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
2:Y:116:MET:SD	3:Z:23:GLY:N	2.41	0.94
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.94
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.94
1:C:500:TYR:C	1:C:762:PHE:N	2.19	0.94
1:C:500:TYR:HB3	1:C:762:PHE:O	1.66	0.94
1:C:506:ALA:O	1:C:764:ALA:HA	1.67	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.94
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.94
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.94
1:C:796:LYS:CE	3:Z:128:LEU:HD21	1.88	0.94
1:C:144:ARG:HH11	1:C:771:GLU:HB3	1.28	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.94
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.94
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.94
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:144:ARG:HH11	1:C:771:GLU:HB3	1.28	0.94
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.94
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.94
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.85	0.94
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.94
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.94
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.94
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.85	0.94
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.94
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.94
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.66	0.94
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.94
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.94
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.02	0.94
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.94
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.94
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.94
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.94
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.94
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.94
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.94
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.94
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.94
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.94
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.94
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:496:GLU:OE2	1:C:708:PRO:HA	1.68	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.94
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.94
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.97	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.94
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.94
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.94
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:774:ARG:HG2	1:C:778:LEU:HG	1.47	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.94
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.47	0.94
1:C:473:GLU:H	1:C:597:LYS:NZ	1.64	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.94
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.94
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.94
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.94
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:499:GLU:HB2	1:C:710:ARG:CD	1.98	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.94
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.94
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.94
1:C:498:GLU:HB3	1:C:755:LEU:HB2	1.50	0.94
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.94
1:C:497:GLN:NE2	1:C:754:ARG:HD3	1.83	0.94
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.94
2:Y:102:LYS:N	3:Z:127:LYS:HD3	1.78	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
2:Y:105:ASN:ND2	3:Z:119:ASP:OD1	1.88	0.94
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:5:PHE:HE1	1:C:780:LYS:CG	1.77	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.94
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.07	0.94
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.94
1:C:703:CYS:C	1:C:764:ALA:CB	2.41	0.94
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.94
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.94
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.94
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.94
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.94
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.66	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.94
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.66	0.94
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.94
1:C:500:TYR:O	1:C:761:PHE:HD1	1.51	0.94
1:C:500:TYR:O	1:C:754:ARG:C	2.11	0.94
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.49	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:CB	1.79	0.94
1:C:36:VAL:CG2	1:C:67:ARG:NH2	2.25	0.94
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.94
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.14	0.94
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.94
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.94
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.31	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.94
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.80	0.94
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
1:C:146:THR:CG2	1:C:768:GLY:HA2	1.88	0.94
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.94
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.94
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.94
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.94
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.47	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.49	0.94
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.94
1:C:810:VAL:HG23	1:C:811:ILE:N	1.81	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.94
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.49	0.94
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.94
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.94
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.94
1:C:497:GLN:C	1:C:761:PHE:CB	2.36	0.94
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.94
1:C:452:ARG:HD2	3:Z:96:GLU:H	1.32	0.94
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.94
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.94
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.94
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.94
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.94
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.97	0.94
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:802:GLN:NE2	3:Z:17:LEU:HB2	1.81	0.94
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.94
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.94
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.94
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.94
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.94
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.94
1:C:810:VAL:HG23	1:C:811:ILE:N	1.81	0.94
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.94
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.26	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:499:GLU:HG2	1:C:710:ARG:HH11	1.28	0.94
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.49	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.49	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
2:Y:102:LYS:HG2	3:Z:127:LYS:HD2	0.94	0.94
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.94
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.94
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.94
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.94
1:C:134:ASP:O	3:Z:108:HIS:CG	2.21	0.94
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.94
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.94
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.94
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.94
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.94
1:C:505:ILE:HG23	1:C:754:ARG:CA	1.87	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.49	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.94
3:Z:17:LEU:C	3:Z:17:LEU:CD2	2.34	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.94
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.94
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.94
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.94
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.49	0.94
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.94
1:C:723:LEU:CA	1:C:777:ARG:HH21	1.78	0.94
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.94
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.94
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.94
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.94
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.94
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.94
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.94
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.94
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.94
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.94
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.94
1:C:60:ILE:HD11	1:C:63:ASP:H	1.16	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.94
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	0.94
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.94
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.94
1:C:60:ILE:HD11	1:C:63:ASP:H	1.16	0.94
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.94
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.94
1:C:60:ILE:HD11	1:C:63:ASP:H	1.16	0.94
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.94
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.94
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.94
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.94
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.94
1:C:272:VAL:HG21	1:C:428:LYS:HG2	1.46	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.94
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94
1:C:507:TRP:HE3	1:C:707:PHE:CE1	1.86	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.94
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.94
1:C:60:ILE:HD11	1:C:63:ASP:H	1.16	0.94
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.94
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.94
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.94
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.94
1:C:834:LYS:HB3	1:C:835:PRO:CD	1.96	0.94
3:Z:4:SER:O	3:Z:8:ILE:HG23	1.65	0.94
1:C:60:ILE:HD11	1:C:63:ASP:H	1.16	0.94
1:C:506:ALA:N	1:C:762:PHE:CA	1.84	0.94
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.94
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.94
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.94
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.94
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.94
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	0.94
1:C:60:ILE:HD11	1:C:63:ASP:H	1.16	0.94
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.94
1:C:772:GLU:O	1:C:776:GLU:HG2	1.68	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.94
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.94
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.94
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.94
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.94
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.94
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.94
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.64	0.94
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:498:GLU:CD	1:C:755:LEU:HB2	1.93	0.94
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.94
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.94
1:C:76:SER:OG	1:C:93:TYR:CE1	2.21	0.94
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.94
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.94
1:C:792:TYR:OH	3:Z:128:LEU:HD12	1.65	0.94
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.94
1:C:247:ILE:O	1:C:247:ILE:HG12	1.63	0.94
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.94
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.94
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.94
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
1:C:505:ILE:HG22	1:C:754:ARG:HB2	1.43	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.94
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.05	0.94
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.94
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.94
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.94
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.94
1:C:311:PHE:CE1	1:C:312:ILE:CG2	2.50	0.94
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.94
1:C:801:LEU:HD21	3:Z:21:TRP:CE3	2.03	0.94

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.94
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.94
1:C:289:CYS:SG	1:C:306:SER:HB3	2.07	0.94
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.94
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.94
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.94
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.94
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.94
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.94
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.94
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.94
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.94
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.94
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.94
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.94
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.93
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.93
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.93
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.93
1:C:697:LEU:HD23	1:C:697:LEU:O	1.65	0.93
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.93
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.93
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.93
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.93
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.93
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:162:ASN:OD1	1:C:771:GLU:HB2	0.76	0.93
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.93
1:C:502:LYS:HE3	1:C:757:THR:HG1	1.29	0.93
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.93
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.93
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.93
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.93
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.93
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.93
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.02	0.93
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.03	0.93
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.93
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.93
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.93
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.93
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.93
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.93
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.93
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.93
1:C:500:TYR:HB2	1:C:754:ARG:CB	1.98	0.93
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.93
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.93
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.93
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.93
1:C:257:ILE:O	1:C:257:ILE:HG12	1.63	0.93
1:C:499:GLU:CG	1:C:761:PHE:CE2	2.49	0.93
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.93
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.93
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93
1:C:499:GLU:HB2	1:C:710:ARG:CD	1.96	0.93
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.93
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.11	0.93
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.93
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.28	0.93
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.93
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.93
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.93
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.93
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.84	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.93
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.93
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.93
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.93
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.93
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:504:GLY:O	1:C:760:VAL:HB	1.65	0.93
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.93
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.23	0.93
1:C:165:THR:HG21	1:C:719:ARG:HG3	0.95	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.93
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.93
1:C:144:ARG:HH22	1:C:719:ARG:CD	1.82	0.93
1:C:144:ARG:HH22	1:C:719:ARG:HD3	1.32	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.96	0.93
1:C:249:ILE:CD1	1:C:251:PHE:CZ	2.41	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.99	0.93
2:Y:35:VAL:CG2	2:Y:67:LEU:HB3	1.91	0.93
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.67	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.93
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.93
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.93
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.93
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.93
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.93
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.93
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.93
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.93
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.93
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.93
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.93
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.93
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.93
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.93
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.93
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.93
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.93
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.93
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.99	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.93
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.93
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.93
1:C:493:PHE:CE1	1:C:512:PHE:CD2	2.54	0.93
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.93
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.20	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.93
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.93
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.93
1:C:502:LYS:HG3	1:C:713:TYR:CZ	2.04	0.93
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.93
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.93
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.26	0.93
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.93
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.93
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.93
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.93
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.93
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.93
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.93
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.93
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.93
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.93
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.93
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.93
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.93
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.93
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.93
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.93
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.29	0.93
1:C:289:CYS:SG	1:C:306:SER:HB3	2.06	0.93
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.93
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.93
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.93
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.93
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.37	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.98	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.93
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.93
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.93
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	0.93
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.93
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.93
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.93
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.93
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.84	0.93
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.93
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.93
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.93
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.93
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.93
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.93
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.93
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.93
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.93
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.93
1:C:473:GLU:H	1:C:597:LYS:NZ	1.64	0.93
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.93
1:C:503:GLU:HB2	1:C:761:PHE:CE1	2.02	0.93
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:525:LYS:HG2	1:C:526:PRO:CG	1.97	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.93
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.34	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.93
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	0.93
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.02	0.93
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.93
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.93
1:C:507:TRP:CH2	1:C:706:GLY:C	2.38	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.34	0.93
1:C:164:VAL:CG1	1:C:774:ARG:O	2.16	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.93
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.93
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.93
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.93
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.93
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.93
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:505:ILE:HB	1:C:753:TYR:O	0.76	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.93
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.93
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.93
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.93
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.93
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:467:PHE:HD2	1:C:469:PHE:H	1.02	0.93
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.93
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	0.93
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.84	0.93
1:C:500:TYR:CZ	1:C:707:PHE:CB	2.27	0.93
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.93
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.84	0.93
1:C:503:GLU:CB	1:C:761:PHE:CD1	2.51	0.93
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.93
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.85	0.93
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.93
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.93
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.93
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.93
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.84	0.93
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.93
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.93
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.93
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.93
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.93
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.93
1:C:193:LEU:HD11	1:C:251:PHE:CZ	2.02	0.93
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.93
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.93
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.93
1:C:503:GLU:HG3	1:C:761:PHE:CE1	2.03	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.93
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.93
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.93
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.93
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.93
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.93
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.84	0.93
1:C:507:TRP:CZ3	1:C:706:GLY:C	2.47	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.93
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.93
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.12	0.93
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.93
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.93
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.93
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.93
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.93
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.93
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.93
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.93
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.93
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.93
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.93
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.93
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.93
1:C:256:LYS:HD3	3:Z:108:HIS:C	1.76	0.93
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.93
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.12	0.93
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.03	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.93
1:C:495:LEU:HD22	1:C:756:GLY:H	0.79	0.93
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.99	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.93
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.93
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.93
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.93
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.93
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.12	0.93
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.93
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.93
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.93
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.93
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.12	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.93
1:C:802:GLN:NE2	3:Z:17:LEU:HB2	1.84	0.93
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.93
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.12	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.03	0.93
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.93
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.12	0.93
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.93
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.12	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.93
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.93
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.93
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.93
1:C:507:TRP:CG	1:C:763:LYS:HB2	2.04	0.93
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.93
1:C:126:TYR:CE1	1:C:677:LYS:O	2.20	0.93
1:C:13:LEU:CD1	1:C:131:ILE:HD13	1.95	0.93
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.93
1:C:800:LYS:HE3	1:C:804:GLN:CA	1.99	0.93
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.93
1:C:266:LEU:HD21	1:C:649:HIS:NE2	1.82	0.93
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.93
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.81	0.93
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.93
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.93
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.93
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
2:Y:117:GLY:N	3:Z:20:PHE:CZ	2.36	0.93
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.93
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.93
1:C:144:ARG:NE	1:C:773:MET:N	2.16	0.93
1:C:145:LYS:CB	1:C:768:GLY:CA	2.27	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.12	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.93
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.93
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.93
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.93
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.93
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.93
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.93
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
1:C:523:ILE:HD13	1:C:529:ILE:CG1	1.97	0.93
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.93
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.93
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.93
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.93
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.93
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.93
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.93
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.93
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.93
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.93
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:504:GLY:HA3	1:C:755:LEU:HD12	1.51	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.93
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.93
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.93
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.93
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.93
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.93
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.93
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.93
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.93
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.93
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.93
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.93
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.93
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.93
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.93
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.99	0.93
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.93
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.93
1:C:801:LEU:HD21	3:Z:21:TRP:CZ3	2.04	0.93
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.93
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.93
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.93
1:C:785:PHE:HB2	3:Z:86:TYR:CE2	2.01	0.93
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.93
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.93
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.93
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.93
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.93
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.93
1:C:238:ASN:HD21	1:C:322:ILE:HG13	1.29	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.93
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.93
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.93
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.93
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.93
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.93
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.93
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.93
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.93
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.93
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.11	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.93
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.93
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.93
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.94	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:792:TYR:HE1	2:Y:98:GLU:HG3	1.26	0.93
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.93
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.93
1:C:704:ARG:CG	1:C:764:ALA:HB1	1.67	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.93
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.93
1:C:785:PHE:CA	3:Z:86:TYR:HE2	1.79	0.93
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.93
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.05	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.93
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.12	0.93
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.20	0.93
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.93
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.93
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.93
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.93
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.86	0.93
1:C:60:ILE:HD11	1:C:63:ASP:H	1.16	0.93
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:506:ALA:H	1:C:754:ARG:HB3	0.86	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.03	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.93
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.93
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.93
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.93
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.93
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.93
1:C:168:GLU:HB2	1:C:715:GLU:O	1.69	0.93
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.93
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.93
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.93
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.93
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.93
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.93
1:C:495:LEU:N	1:C:754:ARG:HE	1.58	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.93
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.93
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.93
1:C:502:LYS:CG	1:C:758:THR:N	2.31	0.93
1:C:507:TRP:HB3	1:C:761:PHE:O	1.67	0.93
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.93
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.93
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.93
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.93
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.93
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.93
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.99	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.93
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.93
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.93
1:C:507:TRP:C	1:C:751:ALA:HA	1.92	0.93
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.93
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.93
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.93
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.93
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.93
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.93
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.93
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.99	0.93
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.93
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.93
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.93
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.93
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.84	0.93
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.93
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.93
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.93
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.80	0.93
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.16	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.93
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.93
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.93
1:C:801:LEU:HD12	3:Z:17:LEU:HD21	1.51	0.93
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.93
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.16	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.93
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.93
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.93
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.93
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.03	0.93
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.93
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.93
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.93
2:Y:138:LYS:HZ3	3:Z:123:ASP:H	0.93	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.93
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.93
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.99	0.93
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.93
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.93
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.93
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.93
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.93
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.93
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.93
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.93
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.93
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.93
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.93
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.93
2:Y:105:ASN:HB3	3:Z:120:GLU:OE2	1.48	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.93
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.93
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.93
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.93
1:C:499:GLU:CD	1:C:759:LYS:HD2	1.94	0.93
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.93
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.93
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.93
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.93
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.93
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.93
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.93
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.93
1:C:505:ILE:HB	1:C:761:PHE:CD1	2.04	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.93
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.93
1:C:508:GLU:H	1:C:763:LYS:HG2	1.34	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.93
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.93
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.93
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.93
1:C:113:TYR:HD2	1:C:150:PRO:CB	1.80	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.93
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.93
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.93
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.93
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.93
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.93
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.93
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.93
1:C:505:ILE:CD1	1:C:754:ARG:C	2.29	0.93
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.93
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
1:C:133:THR:O	1:C:137:ILE:HG23	1.67	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.93
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.93
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.93
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.03	0.93
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.12	0.93
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.12	0.93
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.93
1:C:505:ILE:HD13	1:C:762:PHE:HD1	1.23	0.93
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.93
2:Y:101:THR:CG2	3:Z:124:GLU:O	2.16	0.93
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.93
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.93
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.93
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.02	0.93
1:C:126:TYR:HD2	1:C:679:PRO:HB3	1.29	0.93
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.93
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.86	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.93
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.93
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.93
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.93
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.12	0.93
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.93
1:C:810:VAL:HG23	1:C:811:ILE:N	1.81	0.93
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.93
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:583:TYR:CD1	1:C:584:ALA:N	2.36	0.93
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.81	0.93
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.93
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.93
1:C:467:PHE:HD2	1:C:469:PHE:H	1.02	0.93
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.93
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.93
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.93
2:Y:138:LYS:HD3	3:Z:123:ASP:CB	1.88	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.12	0.93
1:C:267:LEU:HD12	1:C:435:PHE:CD2	2.02	0.93
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.93
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.99	0.93
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.93
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.93
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.93
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.93
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.37	0.93
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.93
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.93
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.93
1:C:798:TYR:CE2	1:C:802:GLN:NE2	2.34	0.93
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.93
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.93
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.37	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.93
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.93
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.99	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.93
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.93
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.93
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.99	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.93
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.93
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.93
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:503:GLU:CG	1:C:759:LYS:CB	2.47	0.93
1:C:800:LYS:HG3	1:C:803:ASP:OD2	1.68	0.93
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.93
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.93
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.93
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.93
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.93
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.93
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.93
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.93
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.93
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.93
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.93
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.93
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.93
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.93
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
3:Z:93:PHE:CZ	3:Z:105:GLU:HB3	2.02	0.93
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.93
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.93
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.93
1:C:505:ILE:CG1	1:C:754:ARG:CG	2.44	0.93
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.93
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.93
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.07	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.93
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.93
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.93
1:C:503:GLU:OE2	1:C:759:LYS:CB	2.14	0.93
1:C:798:TYR:CE2	1:C:802:GLN:HG3	2.02	0.93
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.80	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.93
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.93
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.93
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.93
1:C:773:MET:CA	1:C:776:GLU:HG3	1.96	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
2:Y:127:MET:HA	2:Y:130:LYS:CE	1.99	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.93
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.93
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.93
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.93
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.93
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.93
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.93
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.93
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.93
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.37	0.93
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.93
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.93
1:C:85:LEU:HD11	1:C:88:MET:SD	2.08	0.93
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.81	0.93
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.93
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.93
2:Y:16:GLN:O	2:Y:20:MET:HG2	1.66	0.93
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.93
1:C:159:ALA:O	1:C:774:ARG:NH2	2.01	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:451:LYS:HD3	3:Z:141:TYR:HD2	1.10	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:467:PHE:CD2	1:C:468:ASP:N	2.37	0.93
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.37	0.93
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.93
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.93
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.93
1:C:582:HIS:CD2	1:C:584:ALA:H	1.85	0.93
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.37	0.93
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.93
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.82	0.93
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.93
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.37	0.93
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.37	0.93
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.93
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.93
1:C:503:GLU:CG	1:C:761:PHE:CE1	2.52	0.93
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.93
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.93
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.93
1:C:810:VAL:HG23	1:C:811:ILE:N	1.81	0.93
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.93
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:168:GLU:OE1	1:C:168:GLU:C	2.12	0.93
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.93
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.93
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93
1:C:800:LYS:NZ	1:C:807:GLY:CA	2.29	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.93
2:Y:98:GLU:OE1	3:Z:124:GLU:HB3	1.69	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.77	0.93
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.03	0.93
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.93
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.93
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.11	0.93
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.93
1:C:146:THR:N	1:C:771:GLU:HB2	1.80	0.93
1:C:161:GLN:NE2	1:C:719:ARG:HG3	1.82	0.93
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.93
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.93
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.93
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.93
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.93
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.93
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.93
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.93
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93
1:C:717:LYS:HD2	1:C:738:VAL:HG21	0.97	0.93
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.93
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.93
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.93
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.93
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.93
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.93
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.93
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.93
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.93
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.93
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.93
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.93
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.93
1:C:219:ILE:HG13	1:C:220:ILE:N	1.67	0.93
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.93
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.52	0.93
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.93
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.81	0.93
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.93
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.93
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.93
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.93
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.93
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.93
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.93
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.11	0.93

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.92
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.92
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.92
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.92
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.92
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.67	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.92
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.92
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.92
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.92
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.92
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.92
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.92
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.92
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
2:Y:127:MET:HA	2:Y:130:LYS:CE	1.99	0.92
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.92
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.92
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.92
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.92
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.96	0.92
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.92
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.92
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.92
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:296:LEU:HD22	1:C:299:VAL:HG21	0.95	0.92
1:C:365:GLN:CG	1:C:366:ARG:H	1.76	0.92
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.92
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.92
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.92
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.92
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.92
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.92
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.92
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.92
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.03	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.92
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.92
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.92
1:C:663:THR:C	1:C:665:PRO:HD3	1.93	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.92
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.92
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.92
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.92
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.92
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.92
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.92
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.92
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.92
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.92
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.92
1:C:168:GLU:OE1	1:C:168:GLU:O	1.85	0.92
1:C:798:TYR:O	1:C:802:GLN:N	2.03	0.92
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.92
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.92
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.92
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.20	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.92
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.92
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.92
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.92
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.92
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.92
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.92
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.92
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.92
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.92
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:684:ALA:O	1:C:687:VAL:HG22	1.69	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.92
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.92
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.92
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.92
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.92
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.92
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.92
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
1:C:144:ARG:NH1	1:C:719:ARG:HH11	1.51	0.92
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.67	0.92
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.92
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.92
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.81	0.92
2:Y:116:MET:CE	3:Z:21:TRP:HE1	1.83	0.92
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.92
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.92
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.92
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.92
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.92
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.92
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.92
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.92
2:Y:116:MET:C	3:Z:24:ARG:H	1.76	0.92
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.92
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.92
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.92
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.92
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.92
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.92
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.92
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.70	0.92
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.92
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.92
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.92
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.92
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.92
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.92
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.92
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.92
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.92
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.92
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.92
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.92
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.92
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.92
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.92
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.92
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.99	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.92
1:C:167:ARG:NH2	3:Z:92:THR:CA	2.31	0.92
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.92
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.13	0.92
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.92
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.92
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.92
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.92
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.92
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:146:THR:N	1:C:771:GLU:H	1.66	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:473:GLU:H	1:C:597:LYS:NZ	1.65	0.92
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.14	0.92
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.52	0.92
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.92
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.92
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.92
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.92
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.11	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.92
1:C:167:ARG:HH21	3:Z:95:ARG:HG2	1.17	0.92
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.92
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.92
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.92
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.13	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.92
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.92
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.92
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.92
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.02	0.92
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.92
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92
2:Y:127:MET:HA	2:Y:130:LYS:CE	1.99	0.92
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.92
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.92
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.92
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.92
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.92
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.92
3:Z:117:LEU:HD22	3:Z:118:SER:O	1.67	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.92
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.92
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.92
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.99	0.92
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.70	0.92
2:Y:127:MET:HA	2:Y:130:LYS:CE	1.99	0.92
1:C:365:GLN:HG2	1:C:366:ARG:N	1.78	0.92
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.92
1:C:523:ILE:CD1	1:C:529:ILE:CG1	2.46	0.92
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.92
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:168:GLU:OE1	1:C:168:GLU:C	2.12	0.92
1:C:801:LEU:HD13	3:Z:21:TRP:CZ3	2.03	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.92
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:249:ILE:CG1	1:C:456:ILE:HG23	1.95	0.92
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.20	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.92
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.03	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.92
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.92
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.92
1:C:500:TYR:HE1	1:C:707:PHE:CB	1.80	0.92
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.92
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.92
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.92
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.20	0.92
1:C:505:ILE:CB	1:C:709:SER:CB	2.47	0.92
2:Y:101:THR:CG2	3:Z:124:GLU:H	1.55	0.92
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.92
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.92
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.92
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.92
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.20	0.92
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.10	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.92
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.92
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.92
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	0.92
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.92
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.92
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.92
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.92
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.92
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.20	0.92
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.92
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.92
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.92
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.92
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.52	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.92
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.92
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.92
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.92
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.92
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.34	0.92
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.92
2:Y:102:LYS:CD	3:Z:127:LYS:O	2.08	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.92
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.92
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.92
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.92
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.20	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.92
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.92
1:C:502:LYS:C	1:C:757:THR:HG23	1.94	0.92
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.92
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.92
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.92
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.92
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.92
1:C:164:VAL:CG1	1:C:778:LEU:CD1	2.37	0.92
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.92
3:Z:90:PHE:CE2	3:Z:141:TYR:HB3	1.97	0.92
1:C:490:HIS:O	1:C:754:ARG:NH2	2.03	0.92
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.92
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.70	0.92
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.92
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.92
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.92
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.92
2:Y:40:ILE:CD1	2:Y:56:LEU:HD23	1.97	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.92
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.92
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.92
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.92
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.92
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.92
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.92
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.32	0.92
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.92
1:C:505:ILE:HD13	1:C:751:ALA:CA	1.99	0.92
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.92
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.92
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.92
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.14	0.92
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.92
1:C:799:LYS:HE3	2:Y:95:MET:CG	1.98	0.92
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.92
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.92
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.92
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.92
1:C:792:TYR:CE2	2:Y:99:GLN:CD	2.47	0.92
1:C:800:LYS:CE	1:C:804:GLN:CG	2.47	0.92
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.11	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.92
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.14	0.92
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.92
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.92
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.92
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.92
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
1:C:696:VAL:HG23	1:C:697:LEU:H	1.29	0.92
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.92
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.92
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.14	0.92
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.92
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.92
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.92
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.02	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.92
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.92
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.14	0.92
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.92
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.92
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.67	0.92
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.92
1:C:582:HIS:HD2	1:C:584:ALA:H	1.03	0.92
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.92
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.92
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.92
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.92
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.92
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.92
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.92
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.67	0.92
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.67	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.11	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.67	0.92
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:498:GLU:O	1:C:755:LEU:C	2.12	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.03	0.92
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.92
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.92
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.67	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.67	0.92
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.67	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.92
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.33	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.92
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.92
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.92
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.92
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.92
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.92
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.92
1:C:12:TYR:HH	1:C:131:ILE:HG21	1.32	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.92
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.92
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.92
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:168:GLU:OE1	1:C:168:GLU:C	2.12	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.11	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.92
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.92
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.92
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.92
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.92
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.92
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.92
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.92
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.92
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
2:Y:138:LYS:HD3	3:Z:126:ILE:HD11	1.50	0.92
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.92
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.92
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	0.92
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.92
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.92
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.92
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.92
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.92
1:C:506:ALA:N	1:C:754:ARG:CB	2.21	0.92
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:168:GLU:OE2	1:C:719:ARG:HD2	0.74	0.92
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	0.92
2:Y:116:MET:HA	3:Z:23:GLY:HA2	1.01	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.92
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.20	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:502:LYS:HZ3	1:C:756:GLY:H	1.15	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.92
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.92
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.92
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.92
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.67	0.92
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.92
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.92
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	0.92
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.92
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.24	0.92
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.92
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.19	0.92
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.92
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.02	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.92
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.20	0.92
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.92
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.13	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:502:LYS:O	1:C:757:THR:OG1	1.87	0.92
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.92
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.92
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.92
1:C:501:LYS:HD2	1:C:753:TYR:CD1	2.03	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.92
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.92
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.92
1:C:800:LYS:C	1:C:801:LEU:N	2.28	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.19	0.92
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.92
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.92
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.92
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.19	0.92
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.92
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.92
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.92
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.84	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:467:PHE:CD2	1:C:468:ASP:N	2.36	0.92
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.92
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.92
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.92
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.19	0.92
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.92
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.92
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.92
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.92
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.92
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.92
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.92
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.92
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.92
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.02	0.92
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.92
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.92
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.04	0.92
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.92
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.92
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.92
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.92
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.92
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.92
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.92
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.04	0.92
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.92
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.92
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.04	0.92
1:C:503:GLU:OE1	1:C:759:LYS:CE	2.17	0.92
1:C:796:LYS:HZ1	2:Y:98:GLU:HB2	1.21	0.92
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.92
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.92
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.92
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.92
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.92
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.92
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.92
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.92
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.92
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.92
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.92
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.92
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.92
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.92
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.04	0.92
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.92
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.92
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.92
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.92
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.92
1:C:826:TRP:HZ2	2:Y:72:PHE:CE1	1.63	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.92
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.92
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.92
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.04	0.92
1:C:506:ALA:HB3	1:C:766:VAL:CG1	1.98	0.92
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.92
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.92
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.92
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.92
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.70	0.92
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.92
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.92
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.92
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.92
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.92
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.92
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.04	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.03	0.92
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.92
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.92
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.92
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.92
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92
3:Z:98:GLN:O	3:Z:98:GLN:CD	2.10	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:351:CYS:O	1:C:355:ILE:HD12	1.68	0.92
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.92
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.15	0.92
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.92
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.92
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.92
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.92
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.92
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.92
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.92
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.92
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
1:C:810:VAL:HG23	1:C:811:ILE:N	1.81	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.92
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.20	0.92
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.92
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.92
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.92
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:506:ALA:HB2	1:C:753:TYR:CG	2.04	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.92
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.92
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.92
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:242:ARG:NH2	1:C:282:TYR:HA	1.83	0.92
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.92
1:C:76:SER:OG	1:C:93:TYR:CE1	2.21	0.92
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.92
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.92
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.92
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.92
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.86	0.92
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.92
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.92
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.92
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.92
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.92
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
1:C:800:LYS:O	1:C:801:LEU:C	2.11	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.92
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.92
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.81	0.92
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.92
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.03	0.92
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.92
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:161:GLN:O	1:C:774:ARG:CB	2.16	0.92
1:C:450:ALA:O	3:Z:100:PHE:HD1	1.28	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
1:C:508:GLU:C	1:C:763:LYS:HB3	1.93	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.92
1:C:497:GLN:C	1:C:754:ARG:HB3	1.95	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
2:Y:101:THR:OG1	3:Z:127:LYS:NZ	2.01	0.92
1:C:60:ILE:CD1	1:C:63:ASP:H	1.80	0.92
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.82	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.82	0.92
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.92
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.81	0.92
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.06	0.92
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.70	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:166:ASP:CG	1:C:719:ARG:HH11	1.77	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:499:GLU:HG3	1:C:710:ARG:HD3	1.28	0.92
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.92
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.92
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.92
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	0.92
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.92
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.92
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.92
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.92
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.92
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.92
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.92
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.92
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.92
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.92
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.92
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.92
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.92
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.02	0.92
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.92
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.92
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.92
1:C:542:ALA:HB1	1:C:547:PHE:CE2	2.03	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.92
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.92
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.92
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.92
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.92
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.92
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.92
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.92
1:C:801:LEU:HD11	3:Z:21:TRP:HE3	1.32	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.92
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.92
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.92
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.92
1:C:497:GLN:HB3	1:C:754:ARG:N	1.84	0.92
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.92
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.92
1:C:810:VAL:HG23	1:C:811:ILE:N	1.81	0.92
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.92
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.92
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.92
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.92
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.92
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.92
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.92
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.92
1:C:496:GLU:HA	1:C:761:PHE:HE2	1.35	0.92
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.92
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.92
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.92
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.92
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.92
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.92
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92
1:C:705:LYS:C	1:C:706:GLY:CA	2.43	0.92
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.92
1:C:705:LYS:C	1:C:706:GLY:CA	2.43	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.92
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.92
2:Y:102:LYS:O	2:Y:103:LYS:HG3	1.67	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.92
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:499:GLU:C	1:C:761:PHE:HZ	1.76	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.92
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.92
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
1:C:506:ALA:CB	1:C:762:PHE:HA	2.00	0.92
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.92
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.92
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.92
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.92
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.92
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.92
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.92
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.13	0.92
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.92
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.92
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.92
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.92
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.92
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.92
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.92
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.92
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
1:C:500:TYR:C	1:C:754:ARG:HB2	1.93	0.92
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.92
3:Z:83:PHE:HE2	3:Z:87:MET:HE2	1.21	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.92
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.92
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.92
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.92
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.92
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.92
1:C:144:ARG:HG2	1:C:147:GLU:CG	1.75	0.92
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.92
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.52	0.92
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.92
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.92
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.92
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.92
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.92
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.92
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.92
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.92
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.92
2:Y:101:THR:H	3:Z:128:LEU:H	1.17	0.92
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.92
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.92
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.92
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.92
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.92
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.92
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.92
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.92
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.92
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.92
1:C:805:ARG:HD3	3:Z:21:TRP:HB2	1.49	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.92
1:C:60:ILE:HD11	1:C:63:ASP:H	1.15	0.92
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.92
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.92
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.92
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.92
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.92
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.92
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.92
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.92
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.92
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.92
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.92
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.92
1:C:167:ARG:NH2	3:Z:92:THR:CB	2.33	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.92
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.92
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.92
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.92
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.92
1:C:705:LYS:C	1:C:706:GLY:CA	2.43	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.92
2:Y:100:GLU:CG	3:Z:128:LEU:N	2.30	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.92
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.92
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.92
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.92
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.92
1:C:705:LYS:C	1:C:706:GLY:CA	2.43	0.92
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.67	0.92
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.92
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.92
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.92
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.92
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.92
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.92
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.92
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.92
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.92
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.92
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.92
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.92
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.92
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.11	0.92
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.92
1:C:168:GLU:OE1	1:C:168:GLU:C	2.11	0.92
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.92
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.92
1:C:467:PHE:HD2	1:C:469:PHE:H	1.02	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92
1:C:156:ALA:HB1	1:C:192:TYR:CZ	2.03	0.92
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.92
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.92
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.92
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.92
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.92
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.92
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.92
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.92
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.70	0.91
1:C:144:ARG:NH2	1:C:719:ARG:HD3	1.85	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.91
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.91
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.91
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.11	0.91
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.91
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.91
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.91
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:510:ILE:CG2	1:C:763:LYS:HZ3	1.63	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.91
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.91
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	0.91
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.70	0.91
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.91
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
1:C:450:ALA:O	3:Z:100:PHE:CG	2.23	0.91
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.03	0.91
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.91
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.91
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	0.91
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.91
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.91
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	0.91
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.91
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.91
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.91
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.91
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
1:C:500:TYR:C	1:C:754:ARG:N	2.28	0.91
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:507:TRP:O	1:C:754:ARG:CZ	2.17	0.91
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.91
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.91
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.91
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
1:C:168:GLU:OE1	1:C:168:GLU:C	2.12	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.91
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.91
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.91
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.91
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.91
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.91
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.35	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.91
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.91
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.91
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.91
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.91
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.91
1:C:505:ILE:HB	1:C:761:PHE:H	1.12	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.91
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.91
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.91
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.91
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.91
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.52	0.91
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.83	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.91
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.91
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.91
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.91
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.91
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:499:GLU:HB3	1:C:710:ARG:CB	1.99	0.91
1:C:504:GLY:C	1:C:767:LEU:HD21	1.96	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.91
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.91
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.91
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.91
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.91
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.91
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.12	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.91
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.91
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.91
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.91
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.91
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.91
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.91
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.91
1:C:335:PHE:O	1:C:340:PHE:HD2	1.50	0.91
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.91
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.91
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.91
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.91
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.91
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.67	0.91
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.03	0.91
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.91
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.91
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.91
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.91
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.91
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
3:Z:83:PHE:CE2	3:Z:87:MET:CE	2.51	0.91
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.91
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.91
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.88	0.91
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.91
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.91
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.10	0.91
1:C:800:LYS:C	1:C:802:GLN:H	1.64	0.91
1:C:800:LYS:HA	1:C:803:ASP:N	1.85	0.91
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.91
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.91
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.91
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.91
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.91
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.91
1:C:503:GLU:OE2	1:C:759:LYS:HD3	0.87	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.91
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.91
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.91
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.91
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.91
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.91
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.91
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.91
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.91
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.69	0.91
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.91
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.91
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.91
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.91
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:800:LYS:HA	1:C:803:ASP:OD1	1.69	0.91
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.91
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.91
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.91
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.91
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.91
1:C:500:TYR:CD1	1:C:761:PHE:HB3	2.05	0.91
1:C:168:GLU:OE1	1:C:168:GLU:C	2.12	0.91
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.91
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.91
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.91
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.91
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.12	0.91
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.91
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.91
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.91
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.91
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.05	0.91
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.91
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.91
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.91
2:Y:101:THR:HG22	3:Z:125:ILE:HG12	0.95	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.70	0.91
2:Y:138:LYS:NZ	3:Z:123:ASP:N	2.06	0.91
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.91
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.91
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.03	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.91
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.91
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.91
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.91
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.91
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.91
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.91
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.91
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.91
1:C:506:ALA:CB	1:C:766:VAL:CG2	2.43	0.91
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.91
2:Y:99:GLN:HG3	3:Z:127:LYS:O	1.70	0.91
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.91
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.91
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.91
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.91
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.91
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.91
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.91
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.91
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.91
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.91
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.81	0.91
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	1.99	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.91
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.91
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:161:GLN:HE22	1:C:771:GLU:CD	1.79	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:499:GLU:HB2	1:C:761:PHE:CE2	1.94	0.91
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.12	0.91
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.34	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.91
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.91
1:C:168:GLU:OE1	1:C:168:GLU:C	2.12	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.91
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.91
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.91
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.91
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.91
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.91
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.91
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.91
1:C:76:SER:OG	1:C:93:TYR:CE1	2.21	0.91
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.91
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:500:TYR:CD1	1:C:707:PHE:HB2	2.04	0.91
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.91
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.91
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.91
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.91
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.91
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.91
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.91
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.91
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.35	0.91
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.91
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.91
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.91
1:C:536:GLU:HB3	1:C:547:PHE:CD1	2.01	0.91
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.91
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.91
1:C:525:LYS:HG2	1:C:526:PRO:CD	1.61	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.91
1:C:503:GLU:HB3	1:C:756:GLY:H	1.29	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.91
1:C:254:THR:OG1	3:Z:109:VAL:HB	1.70	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.70	0.91
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.91
1:C:501:LYS:HG2	1:C:713:TYR:OH	1.69	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.70	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
1:C:832:LYS:HZ3	2:Y:48:GLY:N	1.69	0.91
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.91
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.91
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.91
1:C:502:LYS:CE	1:C:757:THR:HG23	1.90	0.91
1:C:504:GLY:H	1:C:755:LEU:H	0.92	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.91
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.91
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.91
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.91
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.91
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.91
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
1:C:236:ARG:NH1	1:C:465:GLU:HA	1.83	0.91
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.91
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.91
1:C:773:MET:O	1:C:776:GLU:HB2	1.70	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.91
1:C:810:VAL:HG23	1:C:811:ILE:N	1.81	0.91
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.91
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.91
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.91
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.91
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.91
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.91
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.91
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.91
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.91
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.91
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.91
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.91
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.91
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.91
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.91
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.91
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.91
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.91
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.91
1:C:505:ILE:HG22	1:C:761:PHE:HB2	1.47	0.91
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.91
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.91
1:C:500:TYR:CB	1:C:754:ARG:HB2	2.01	0.91
1:C:507:TRP:N	1:C:753:TYR:O	1.83	0.91
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.91
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.91
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.91
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.91
1:C:131:ILE:O	1:C:131:ILE:HD12	1.69	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.91
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.91
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.91
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.91
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.91
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.91
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.35	0.91
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.96	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:34:CYS:SG	1:C:75:GLN:O	2.27	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.91
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.91
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.91
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.91
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.91
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.91
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.91
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.91
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.91
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.91
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.91
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.91
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.91
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.99	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.67	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:451:LYS:CD	3:Z:141:TYR:HD2	1.84	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.91
2:Y:117:GLY:CA	3:Z:20:PHE:CE1	2.28	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.91
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.91
1:C:743:LEU:HD11	1:C:762:PHE:CE2	1.89	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.91
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.67	0.91
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.67	0.91
1:C:772:GLU:OE1	1:C:776:GLU:HG2	1.71	0.91
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.91
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.91
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
2:Y:24:PHE:CE2	2:Y:28:ASP:OD2	2.22	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.91
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:502:LYS:HE3	1:C:713:TYR:CZ	2.04	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.91
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.91
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.91
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.91
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
1:C:711:LEU:HD21	1:C:719:ARG:HH22	1.30	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.91
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.10	0.91
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.91
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.91
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.91
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.91
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.91
1:C:499:GLU:HB2	1:C:710:ARG:CZ	2.00	0.91
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.91
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.91
1:C:504:GLY:C	1:C:760:VAL:CB	2.43	0.91
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.91
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.91
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.91
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.91
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.91
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.91
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91
1:C:505:ILE:HD13	1:C:754:ARG:CA	1.99	0.91
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.91
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.91
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.91
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.91
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.91
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.91
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.91
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.91
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.91
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.91
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.91
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.91
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.91
1:C:507:TRP:CB	1:C:763:LYS:HB2	2.00	0.91
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.91
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:525:LYS:HG2	1:C:526:PRO:HD2	0.93	0.91
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.91
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.91
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.91
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.91
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.91
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.91
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.91
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
1:C:502:LYS:HG2	1:C:758:THR:N	1.85	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.91
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.91
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.91
1:C:805:ARG:NH2	3:Z:20:PHE:HE2	1.68	0.91
2:Y:108:TYR:CD2	3:Z:124:GLU:OE2	1.83	0.91
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.91
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.91
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.91
1:C:501:LYS:HA	1:C:761:PHE:H	1.19	0.91
1:C:509:PHE:O	1:C:751:ALA:CA	2.19	0.91
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.91
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.91
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.91
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.91
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.91
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.91
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.91
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.91
1:C:502:LYS:C	1:C:713:TYR:CZ	2.49	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.91
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.91
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.91
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.91
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:472:PHE:HZ	1:C:645:ILE:HD11	1.32	0.91
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.91
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.91
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.91
2:Y:90:ARG:NH1	3:Z:127:LYS:NZ	2.18	0.91
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.91
1:C:800:LYS:HE3	1:C:804:GLN:C	1.94	0.91
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.91
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.91
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.91
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.91
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.91
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.91
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.91
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.91
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.91
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.91
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.91
1:C:366:ARG:HH22	1:C:368:ARG:HH21	1.08	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.91
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.91
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.91
1:C:119:PHE:HD2	1:C:667:PHE:H	1.12	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:492:MET:CE	1:C:493:PHE:HE2	1.79	0.91
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.91
1:C:76:SER:OG	1:C:93:TYR:CE1	2.21	0.91
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
1:C:800:LYS:C	1:C:803:ASP:OD1	2.13	0.91
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.91
1:C:370:GLU:OE1	1:C:416:MET:CG	2.17	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.35	0.91
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.91
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.70	0.91
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.84	0.91
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.91
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.91
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.91
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.91
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.35	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.91
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.91
2:Y:108:TYR:HE1	3:Z:123:ASP:CG	1.77	0.91
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.91
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.91
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.91
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.91
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.35	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.91
1:C:437:TRP:HB2	1:C:440:ARG:NH2	1.84	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.91
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.35	0.91
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.91
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.91
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.35	0.91
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.91
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.91
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.91
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.35	0.91
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.35	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.91
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.91
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.91
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:503:GLU:HB2	1:C:761:PHE:CE1	2.06	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.91
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:467:PHE:HD2	1:C:469:PHE:H	1.02	0.91
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.91
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:HH	1:C:131:ILE:HG21	1.33	0.91
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.91
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.91
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.91
1:C:509:PHE:N	1:C:751:ALA:CB	2.34	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.91
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.91
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
2:Y:138:LYS:HZ3	3:Z:123:ASP:CA	1.83	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.91
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.91
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.91
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.91
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.91
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.91
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.91
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.91
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.91
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.91
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.11	0.91
1:C:147:GLU:CG	1:C:774:ARG:H	1.77	0.91
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.52	0.91
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.91
1:C:479:TYR:CE1	1:C:523:ILE:HG21	1.98	0.91
1:C:500:TYR:CD1	1:C:709:SER:O	2.23	0.91
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.83	0.91
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.91
1:C:505:ILE:HB	1:C:761:PHE:HB2	1.50	0.91
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.91
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	0.91
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.91
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.32	0.91
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.91
1:C:281:ASN:ND2	1:C:312:ILE:HD13	1.83	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.91
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.91
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.91
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.91
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.91
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.91
1:C:806:ILE:HG13	1:C:807:GLY:N	1.76	0.91
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.83	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.91
1:C:453:ASN:O	3:Z:91:LYS:HG2	1.71	0.91
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.91
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.91
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.91
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.91
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.91
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.91
1:C:497:GLN:C	1:C:754:ARG:CB	2.44	0.91
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.91
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.83	0.91
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.91
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.91
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.91
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.91
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.91
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.52	0.91
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.91
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.91
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.83	0.91
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.91
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.91
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.91
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.91
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.91
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.83	0.91
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.91
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.91
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:781:ILE:HD11	3:Z:89:ALA:CB	1.98	0.91
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.91
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.91
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.91
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.91
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.83	0.91
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.91
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.91
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.91
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.83	0.91
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.91
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.91
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.91
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.91
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.91
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.91
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.91
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.91
1:C:802:GLN:CD	3:Z:17:LEU:HD12	1.95	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.91
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.35	0.91
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.91
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.91
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.91
1:C:231:ASN:HD22	1:C:241:SER:HA	1.21	0.91
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.91
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.91
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.91
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.91
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.91
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.91
1:C:824:TRP:CD1	2:Y:79:LYS:HZ2	1.87	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.91
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.91
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.91
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.91
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.91
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.91
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.91
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.91
3:Z:111:THR:HA	3:Z:117:LEU:HD11	1.42	0.91
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.91
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.91
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.91
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.91
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.91
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.91
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.91
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.91
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.91
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.91
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.91
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.91
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.99	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.91
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.91
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.69	0.91
1:C:800:LYS:HZ3	2:Y:96:PHE:HD1	1.02	0.91
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:HG3	1:C:772:GLU:H	1.30	0.91
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.91
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.91
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.91
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.91
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.91
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.91
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.91
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.91
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.91
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.91
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.91
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.91
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.91
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:691:LEU:O	1:C:696:VAL:HG22	1.69	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.91
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.91
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.91
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.91
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.91
1:C:494:ILE:HD11	1:C:755:LEU:CD1	2.01	0.91
1:C:495:LEU:HA	1:C:755:LEU:H	1.33	0.91
1:C:501:LYS:H	1:C:761:PHE:C	1.79	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.91
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.91
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.91
1:C:502:LYS:NZ	1:C:756:GLY:H	1.63	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.25	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.91
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.91
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.91
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:800:LYS:C	1:C:801:LEU:CA	2.42	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.91
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.91
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.91
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.91
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.91
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.91
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.91
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.91
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.91
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.91
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.91
3:Z:5:GLN:C	3:Z:8:ILE:HD13	1.94	0.91
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.91
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.91
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.91
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.91
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.91
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.91
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.91
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.91
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.91
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.91
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:500:TYR:CG	1:C:709:SER:O	2.23	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.91
1:C:466:ILE:O	1:C:466:ILE:HG12	1.70	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.91
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.91
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.91
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.91
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.91
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.91
1:C:137:ILE:HG12	1:C:195:LYS:HE2	1.50	0.91
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.91
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.91
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.91
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.91
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.91
1:C:466:ILE:O	1:C:466:ILE:HG12	1.70	0.91
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.91
1:C:506:ALA:C	1:C:764:ALA:HA	1.92	0.91
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	1.99	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.91
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.91
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.91
1:C:466:ILE:O	1:C:466:ILE:HG12	1.70	0.91
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.91
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.91
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.91
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.91
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.91
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.91
1:C:466:ILE:O	1:C:466:ILE:HG12	1.70	0.91
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.91
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.91
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
1:C:722:ILE:O	1:C:777:ARG:CD	2.18	0.91
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.91
1:C:466:ILE:O	1:C:466:ILE:HG12	1.70	0.91
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.91
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.91
1:C:800:LYS:NZ	2:Y:95:MET:HG2	1.86	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.91
1:C:466:ILE:O	1:C:466:ILE:HG12	1.70	0.91
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.91
1:C:466:ILE:O	1:C:466:ILE:HG12	1.70	0.91
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.91
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.91
1:C:705:LYS:O	1:C:706:GLY:O	1.87	0.91
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.91
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.91
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.91
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.91
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.91
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.91
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.91
1:C:464:PHE:CE2	1:C:466:ILE:HG23	2.03	0.91
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.91
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.91
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.91
2:Y:99:GLN:CG	3:Z:127:LYS:CG	2.48	0.91
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
2:Y:108:TYR:CZ	3:Z:121:ASP:OD2	2.24	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.91
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.91
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.91
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.91
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.52	0.91
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.91
1:C:279:GLU:OE1	1:C:279:GLU:C	2.13	0.91
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.91
1:C:529:ILE:HG13	1:C:530:LEU:N	1.82	0.91
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.91
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.91
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.91
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.91
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.91
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.91
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.91
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.91
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.91
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.91
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.91
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.91
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.91
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.91
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.91
1:C:174:ILE:HD11	1:C:182:LYS:CA	1.98	0.91
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.91
1:C:703:CYS:C	1:C:764:ALA:HB2	1.96	0.91
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.91

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.91
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.91
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.91
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.91
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.91
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.90
1:C:76:SER:OG	1:C:93:TYR:CE1	2.21	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.90
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.26	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.90
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.14	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:466:ILE:O	1:C:466:ILE:HG12	1.70	0.90
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.14	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.14	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.90
1:C:506:ALA:HB1	1:C:766:VAL:HG23	0.90	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:466:ILE:O	1:C:466:ILE:HG12	1.70	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.90
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.90
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.90
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:466:ILE:O	1:C:466:ILE:HG12	1.70	0.90
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.90
1:C:281:ASN:ND2	1:C:312:ILE:CD1	2.32	0.90
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.90
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.14	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.90
1:C:785:PHE:HD1	3:Z:86:TYR:CD2	1.87	0.90
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.90
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.90
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.35	0.90
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.14	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.90
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:171:SER:O	1:C:666:HIS:CD2	2.23	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.90
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.14	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.90
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.90
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.90
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.90
1:C:12:TYR:HH	1:C:131:ILE:HG21	1.33	0.90
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.90
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.90
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.90
1:C:503:GLU:HB2	1:C:760:VAL:C	1.94	0.90
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.90
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.90
1:C:467:PHE:HD2	1:C:469:PHE:H	1.03	0.90
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.90
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.90
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.90
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.90
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.90
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.90
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.90
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.35	0.90
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.90
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.90
1:C:503:GLU:CB	1:C:761:PHE:HE1	1.84	0.90
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.90
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.90
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.90
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.90
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:502:LYS:CA	1:C:757:THR:HG23	2.01	0.90
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.90
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.90
1:C:704:ARG:HA	1:C:764:ALA:HB2	0.91	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.90
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.14	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.90
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.90
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.90
1:C:131:ILE:O	1:C:131:ILE:HD12	1.69	0.90
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.90
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.90
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.90
1:C:436:ASN:O	1:C:439:VAL:HG22	1.72	0.90
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
3:Z:123:ASP:HA	3:Z:126:ILE:CD1	1.99	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
1:C:499:GLU:OE2	1:C:759:LYS:CD	2.19	0.90
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.90
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.90
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.90
1:C:799:LYS:O	1:C:803:ASP:N	2.04	0.90
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.90
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.90
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.90
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.90
2:Y:108:TYR:OH	3:Z:120:GLU:OE2	1.88	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.90
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:704:ARG:HG2	1:C:764:ALA:HB3	1.53	0.90
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.90
1:C:799:LYS:HG2	2:Y:95:MET:SD	2.12	0.90
2:Y:121:ASN:HD21	2:Y:124:GLU:HG2	0.76	0.90
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.90
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:461:ILE:CA	1:C:462:ALA:N	2.32	0.90
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.90
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.90
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.90
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.90
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.90
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.91	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.90
2:Y:37:LYS:CG	2:Y:56:LEU:HG	1.96	0.90
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.90
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.90
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.90
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.90
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.90
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.90
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.90
1:C:505:ILE:HD11	1:C:754:ARG:HE	0.75	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.90
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.90
1:C:448:THR:HB	3:Z:102:SER:HB2	1.50	0.90
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:501:LYS:CA	1:C:761:PHE:H	1.71	0.90
1:C:504:GLY:C	1:C:760:VAL:HG23	1.97	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.90
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.90
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.90
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.90
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.90
1:C:415:ASN:HD21	1:C:418:GLN:HB2	1.27	0.90
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.90
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.90
1:C:472:PHE:HD1	1:C:594:TRP:CH2	1.81	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.90
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.90
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.90
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.90
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.90
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.90
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.90
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.90
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.90
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.90
1:C:499:GLU:OE2	1:C:759:LYS:CD	2.19	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.70	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.69	0.90
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	0.90
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:419:VAL:HG23	1:C:420:VAL:H	1.37	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.90
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.90
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.90
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.90
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.90
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.69	0.90
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.90
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.90
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.90
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.90
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.90
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.90
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.69	0.90
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.90
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.90
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.90
3:Z:18:PHE:CZ	3:Z:32:LYS:HB2	2.04	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.90
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.90
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.69	0.90
1:C:675:GLU:C	1:C:675:GLU:OE1	2.13	0.90
2:Y:99:GLN:O	3:Z:125:ILE:HB	1.60	0.90
2:Y:108:TYR:CZ	3:Z:120:GLU:HG3	1.84	0.90
1:C:335:PHE:CD2	1:C:340:PHE:HB2	2.05	0.90
1:C:498:GLU:HA	1:C:755:LEU:C	1.95	0.90
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.90
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.90
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.90
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.90
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.36	0.90
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.90
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.90
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.90
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.90
1:C:499:GLU:OE2	1:C:759:LYS:C	2.05	0.90
1:C:786:GLN:HE21	3:Z:117:LEU:HB3	1.32	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.36	0.90
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.36	0.90
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.14	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.90
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.90
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.90
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.34	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.14	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.19	0.90
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.90
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.36	0.90
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.90
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.90
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.36	0.90
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	0.90
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.90
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.90
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.90
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.36	0.90
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.90
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.90
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.90
1:C:285:PHE:CE2	1:C:312:ILE:HG12	1.96	0.90
1:C:717:LYS:O	3:Z:88:GLU:OE2	1.89	0.90
1:C:774:ARG:C	1:C:775:ASP:CA	2.43	0.90
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.90
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.90
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.90
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.90
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.70	0.90
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.90
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.90
1:C:113:TYR:OH	1:C:115:TYR:CZ	2.14	0.90
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.90
1:C:138:ALA:CB	3:Z:108:HIS:HD2	1.84	0.90
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.90
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.90
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.34	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.90
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.54	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.90
1:C:573:GLN:O	1:C:573:GLN:CG	2.16	0.90
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.90
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.05	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.90
2:Y:40:ILE:HG13	2:Y:41:LYS:N	1.72	0.90
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.90
1:C:131:ILE:O	1:C:131:ILE:HD12	1.70	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.90
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.90
2:Y:127:MET:HA	2:Y:130:LYS:CE	2.00	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.90
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.90
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	0.90
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.90
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.90
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.90
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.90
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.90
1:C:161:GLN:O	1:C:774:ARG:NE	2.04	0.90
1:C:452:ARG:NE	3:Z:100:PHE:CE1	2.40	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.90
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.90
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:500:TYR:CB	1:C:762:PHE:H	1.56	0.90
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:805:ARG:CD	3:Z:21:TRP:HA	2.00	0.90
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.90
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.90
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.90
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:500:TYR:O	1:C:761:PHE:O	1.89	0.90
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.90
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.90
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.90
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.90
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.90
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.23	0.90
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.90
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.84	0.90
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.90
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.70	0.90
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.90
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.90
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:HD11	1:C:754:ARG:HB3	1.54	0.90
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.90
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.90
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.90
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.90
1:C:5:PHE:CE1	3:Z:93:PHE:CZ	2.58	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.90
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.90
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.90
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.90
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.90
2:Y:138:LYS:HE2	3:Z:122:VAL:HG13	1.50	0.90
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.90
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.90
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.23	0.90
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.90
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.90
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.90
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.90
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.90
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.90
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.90
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.90
1:C:503:GLU:CB	1:C:761:PHE:CE1	2.54	0.90
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.90
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.90
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.90
1:C:801:LEU:CD1	3:Z:17:LEU:CD2	2.47	0.90
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.34	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:510:ILE:O	1:C:510:ILE:HG12	1.67	0.90
1:C:192:TYR:CE1	1:C:193:LEU:CB	2.23	0.90
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.90
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.90
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.90
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.90
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.90
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.59	0.90
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.90
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
1:C:472:PHE:HA	1:C:594:TRP:HZ3	1.24	0.90
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.27	0.90
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.90
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:219:ILE:CG1	1:C:220:ILE:N	2.34	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
1:C:436:ASN:O	1:C:439:VAL:HG22	1.72	0.90
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.90
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.90
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.90
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.74	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.90
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.90
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:164:VAL:HG11	1:C:778:LEU:CB	1.81	0.90
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.90
1:C:502:LYS:CG	1:C:758:THR:N	2.34	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.90
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.90
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.74	0.90
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.90
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.74	0.90
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.34	0.90
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.90
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.90
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.90
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.90
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.90
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:523:ILE:CD1	1:C:529:ILE:HG12	1.99	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.74	0.90
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.90
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
2:Y:127:MET:HA	2:Y:130:LYS:CE	1.99	0.90
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.74	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.90
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.74	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.90
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.90
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.90
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.90
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.90
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:505:ILE:CB	1:C:709:SER:HB2	2.01	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90
1:C:785:PHE:CD1	3:Z:86:TYR:CD2	2.58	0.90
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.28	0.90
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.90
1:C:5:PHE:CZ	1:C:783:SER:OG	2.24	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.36	0.90
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.90
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.90
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.90
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.90
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.90
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.90
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.90
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.90
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.36	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.90
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.90
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.34	0.90
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.90
1:C:113:TYR:CZ	1:C:115:TYR:CZ	2.59	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:505:ILE:HG13	1:C:766:VAL:CG2	2.00	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.90
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.90
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.90
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.90
1:C:524:GLU:OE1	1:C:524:GLU:O	1.89	0.90
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.90
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.90
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.90
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.90
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.90
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.90
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.90
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.90
1:C:258:ALA:HA	3:Z:105:GLU:HB3	1.53	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
1:C:505:ILE:O	1:C:767:LEU:CG	2.20	0.90
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.90
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.90
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.90
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.90
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.90
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.21	0.90
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.90
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.90
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.90
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.90
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.90
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.90
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.90
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.90
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.90
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.90
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.90
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.90
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.90
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.90
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.69	0.90
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.90
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.90
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.90
1:C:503:GLU:CB	1:C:754:ARG:CA	2.39	0.90
1:C:505:ILE:CD1	1:C:750:PRO:O	2.20	0.90
1:C:505:ILE:CG2	1:C:753:TYR:CA	2.14	0.90
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.90
2:Y:121:ASN:ND2	2:Y:124:GLU:HG2	1.49	0.90
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.90
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.90
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.90
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.90
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.90
1:C:718:GLN:O	3:Z:88:GLU:O	1.88	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:800:LYS:O	1:C:803:ASP:N	2.05	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.72	0.90
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.90
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:503:GLU:HG3	1:C:761:PHE:CE1	2.03	0.90
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.90
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.90
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:256:LYS:N	3:Z:95:ARG:HH11	1.58	0.90
1:C:365:GLN:HG2	1:C:366:ARG:N	1.77	0.90
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.90
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.90
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.12	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.90
1:C:502:LYS:CB	1:C:757:THR:N	2.18	0.90
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.90
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.90
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.90
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.90
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.90
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.90
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.90
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.90
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.90
1:C:684:ALA:O	1:C:687:VAL:HG22	1.70	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.14	0.90
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.90
1:C:365:GLN:CG	1:C:366:ARG:H	1.76	0.90
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.90
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.90
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.90
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.90
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.90
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
2:Y:126:ARG:O	2:Y:130:LYS:HG3	1.70	0.90
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.90
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.90
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.90
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.90
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.90
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.90
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.90
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
1:C:500:TYR:CA	1:C:754:ARG:HB2	2.02	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.90
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.90
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
1:C:496:GLU:O	1:C:761:PHE:CE2	2.25	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.90
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.90
1:C:167:ARG:HH21	3:Z:92:THR:C	1.79	0.90
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:419:VAL:HG23	1:C:420:VAL:H	1.37	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:436:ASN:O	1:C:439:VAL:HG22	1.72	0.90
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.90
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.90
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.51	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.90
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.90
3:Z:82:THR:O	3:Z:86:TYR:HD1	1.52	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.90
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.90
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.90
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.90
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.90
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.90
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.90
1:C:499:GLU:OE1	1:C:756:GLY:CA	2.20	0.90
1:C:509:PHE:H	1:C:751:ALA:CB	1.84	0.90
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.90
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.90
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.90
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.90
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.90
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.90
1:C:800:LYS:C	1:C:803:ASP:OD1	2.15	0.90
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.90
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.90
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.90
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.90
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.90
1:C:773:MET:O	1:C:776:GLU:CB	2.20	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.90
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
1:C:477:ILE:HG13	1:C:478:ASN:N	1.87	0.90
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.90
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.90
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.84	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.90
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.84	0.90
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.84	0.90
1:C:505:ILE:HG22	1:C:761:PHE:HA	1.54	0.90
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.90
1:C:76:SER:OG	1:C:93:TYR:CE1	2.21	0.90
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.90
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.90
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.84	0.90
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.90
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.90
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.84	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.90
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.84	0.90
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.90
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.90
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.90
1:C:311:PHE:HE1	1:C:312:ILE:CG2	1.82	0.90
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.90
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.25	0.90
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.25	0.90
1:C:503:GLU:CD	1:C:759:LYS:H	1.78	0.90
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.90
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.90
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.90
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.90
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.90
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.90
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.90
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.25	0.90
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
2:Y:117:GLY:HA2	3:Z:20:PHE:CE2	2.05	0.90
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.90
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.90
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.90
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.90
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.90
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.90
1:C:166:ASP:CG	1:C:715:GLU:CB	2.45	0.90
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.90
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.90
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.90
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.54	0.90
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.90
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.90
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:246:PHE:HD1	1:C:459:LEU:HD21	1.25	0.90
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.90
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.90
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.90
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.90
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.90
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.35	0.90
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.90
1:C:164:VAL:HA	1:C:778:LEU:CD1	2.02	0.90
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.90
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.90
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.90
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.35	0.90
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.90
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.90
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.90
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.90
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.90
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.90
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.90
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.90
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.90
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.90
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.90
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.90
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.90
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.90
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.90
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.90
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.90
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.90
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.90
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.90
1:C:503:GLU:CD	1:C:711:LEU:O	2.04	0.90
1:C:505:ILE:HD11	1:C:766:VAL:HG23	1.46	0.90
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.90
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.90
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.90
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.90
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.90
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.90
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.90
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.90
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.90
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.90
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.90
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.90
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.90
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.90
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.90
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.90
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.90
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.90
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.90
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.90
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.90
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.90
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.90
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.90
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.90
1:C:505:ILE:HD11	1:C:754:ARG:HB3	1.07	0.90
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.90
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.54	0.90
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.90
1:C:177:GLU:HG2	1:C:672:ILE:CG2	2.00	0.90
1:C:254:THR:O	3:Z:95:ARG:NE	2.06	0.90
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.90
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.90
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.90
1:C:742:ILE:CG1	1:C:743:LEU:N	2.35	0.90
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.90

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.90
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.90
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.90
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.90
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.90
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.90
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.90
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.90
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.90
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.90
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.90
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.90
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.11	0.90
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.90
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.90
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.90
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.90
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.90
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.90
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.90
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.89
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.89
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.89
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.89
1:C:705:LYS:C	1:C:706:GLY:CA	2.43	0.89
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.89
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.89
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.89
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.27	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.89
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.89
1:C:499:GLU:CG	1:C:710:ARG:HH12	1.81	0.89
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.89
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.89
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.89
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
2:Y:108:TYR:CE1	3:Z:123:ASP:CG	2.48	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.89
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.89
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.89
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.89
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.89
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:36:VAL:HG21	1:C:67:ARG:HH21	1.34	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.89
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.89
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.89
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.89
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.89
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.89
1:C:505:ILE:HA	1:C:762:PHE:HD2	1.12	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.70	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.89
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.89
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.89
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
1:C:794:ILE:HG13	1:C:795:ARG:N	1.70	0.89
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.89
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.89
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.89
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.89
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.89
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.89
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.89
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.89
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.70	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.70	0.89
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.36	0.89
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.89
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.89
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:742:ILE:CG1	1:C:743:LEU:N	2.35	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:832:LYS:HZ3	2:Y:48:GLY:N	1.69	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.70	0.89
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.70	0.89
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.89
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.89
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.89
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.89
1:C:579:GLU:OE1	1:C:579:GLU:C	2.14	0.89
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.89
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.89
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.89
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.52	0.89
1:C:801:LEU:CD1	3:Z:17:LEU:HD21	2.01	0.89
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.54	0.89
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.54	0.89
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.89
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.89
1:C:508:GLU:OE1	1:C:752:GLU:OE1	1.90	0.89
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.89
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.89
1:C:507:TRP:CE3	1:C:763:LYS:HA	2.06	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.26	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.89
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.26	0.89
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.89
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.89
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.89
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.89
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.89
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.89
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.89
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.89
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.89
1:C:464:PHE:HD1	1:C:478:ASN:ND2	1.68	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.89
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.89
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.89
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.36	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.89
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.89
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.07	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.89
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.89
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.89
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
1:C:801:LEU:CD1	3:Z:17:LEU:CD2	2.39	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:257:ILE:HD11	3:Z:108:HIS:ND1	1.87	0.89
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.89
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.73	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.89
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.89
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.71	0.89
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.89
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.89
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.89
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.89
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.89
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.89
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.89
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.89
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.89
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.89
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:506:ALA:N	1:C:754:ARG:HH21	1.71	0.89
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.89
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.89
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.89
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.34	0.89
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.54	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.89
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.86	0.89
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.89
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.07	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
2:Y:103:LYS:HB2	3:Z:120:GLU:OE1	1.70	0.89
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.89
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.07	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89
1:C:810:VAL:HG23	1:C:811:ILE:N	1.81	0.89
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.89
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.89
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.05	0.89
1:C:166:ASP:CG	1:C:712:ILE:HD12	1.95	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
1:C:799:LYS:HZ3	1:C:806:ILE:HD11	1.11	0.89
1:C:810:VAL:HG23	1:C:811:ILE:N	1.81	0.89
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.89
1:C:507:TRP:HB2	1:C:754:ARG:HG3	1.54	0.89
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.89
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.89
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.89
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.89
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.07	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.89
1:C:12:TYR:C	1:C:12:TYR:HD1	1.68	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.70	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:350:LYS:CE	1:C:386:LEU:HG	2.00	0.89
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.89
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.89
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.89
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:742:ILE:CG1	1:C:743:LEU:N	2.35	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.72	0.89
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.89
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.89
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.07	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:505:ILE:CA	1:C:767:LEU:HG	2.01	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
2:Y:108:TYR:OH	3:Z:124:GLU:HA	1.72	0.89
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.89
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.89
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.89
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.89
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.89
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.89
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.89
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:742:ILE:CG1	1:C:743:LEU:N	2.35	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89
1:C:800:LYS:C	1:C:801:LEU:C	2.39	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.89
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.89
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.89
1:C:253:PRO:C	3:Z:89:ALA:HB1	1.98	0.89
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.89
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.89
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.89
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.89
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.89
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.89
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.89
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.89
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.89
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.89
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.89
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.89
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.89
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.89
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.89
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.89
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.89
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.89
1:C:654:ASN:HD21	1:C:655:LYS:HD2	0.82	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.89
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.89
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.54	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.89
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.89
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.89
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.89
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.89
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.89
1:C:805:ARG:CA	3:Z:21:TRP:CZ3	2.53	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.89
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.89
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.89
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.54	0.89
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.89
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.89
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.89
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:CZ	1:C:719:ARG:HH11	1.86	0.89
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.89
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.89
1:C:160:TYR:C	1:C:774:ARG:NH2	2.24	0.89
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.89
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.89
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:365:GLN:CG	1:C:366:ARG:H	1.77	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.89
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.89
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.89
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.89
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.89
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.89
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.89
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.89
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.89
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.89
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.89
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.89
1:C:508:GLU:CA	1:C:751:ALA:HA	1.99	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.89
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.89
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.89
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.89
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.89
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.89
1:C:499:GLU:HB3	1:C:761:PHE:CZ	2.08	0.89
1:C:500:TYR:CD1	1:C:707:PHE:CB	2.48	0.89
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.89
1:C:805:ARG:CA	3:Z:21:TRP:HH2	1.74	0.89
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.89
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.89
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.89
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.70	0.89
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.89
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.89
1:C:249:ILE:HG13	1:C:456:ILE:CG2	1.99	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.89
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.89
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.89
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.89
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:529:ILE:HG13	1:C:530:LEU:H	1.33	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:140:TYR:CE2	1:C:153:PHE:HB3	2.06	0.89
1:C:280:ARG:HG3	1:C:286:TYR:OH	1.70	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.89
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.72	0.89
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.89
1:C:800:LYS:CA	1:C:803:ASP:OD2	2.06	0.89
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.89
1:C:494:ILE:HG13	1:C:495:LEU:N	1.84	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.89
1:C:577:HIS:HE1	1:C:592:THR:HG23	1.34	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.89
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.89
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
1:C:802:GLN:NE2	3:Z:17:LEU:CD1	2.35	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.89
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.89
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.89
3:Z:122:VAL:HA	3:Z:125:ILE:CD1	2.01	0.89
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.89
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.89
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.89
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
2:Y:101:THR:HG22	3:Z:126:ILE:CB	2.01	0.89
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.89
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.96	0.89
1:C:147:GLU:CG	1:C:770:LEU:O	2.20	0.89
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.89
1:C:174:ILE:CB	1:C:668:VAL:HG21	2.01	0.89
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.89
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.89
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.89
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.33	0.89
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.89
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.89
1:C:500:TYR:CA	1:C:761:PHE:CD1	2.55	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.89
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.89
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.89
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.89
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.89
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.89
1:C:800:LYS:NZ	2:Y:96:PHE:HD1	1.71	0.89
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.89
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:251:PHE:CD1	3:Z:95:ARG:CD	2.52	0.89
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.89
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.89
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.89
1:C:832:LYS:HZ3	2:Y:48:GLY:N	1.70	0.89
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.89
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.75	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.36	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.89
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.89
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.89
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.89
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:504:GLY:C	1:C:756:GLY:N	2.31	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.89
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.89
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:502:LYS:O	1:C:713:TYR:CZ	2.26	0.89
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.89
1:C:76:SER:OG	1:C:93:TYR:CE1	2.21	0.89
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.89
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.37	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.89
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.89
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.89
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.89
1:C:76:SER:OG	1:C:93:TYR:CE1	2.21	0.89
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.89
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.86	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.89
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.89
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.89
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.89
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.89
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.89
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.89
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
1:C:76:SER:OG	1:C:93:TYR:CE1	2.21	0.89
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.89
1:C:742:ILE:CG1	1:C:743:LEU:N	2.35	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:76:SER:OG	1:C:93:TYR:CE1	2.21	0.89
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.89
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.89
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.20	0.89
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CE2	2.03	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
1:C:142:GLY:O	1:C:774:ARG:NE	2.06	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:76:SER:OG	1:C:93:TYR:CE1	2.21	0.89
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.89
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.89
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.72	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.89
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.89
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.89
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.89
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:507:TRP:CE3	1:C:708:PRO:HD2	2.08	0.89
1:C:507:TRP:O	1:C:766:VAL:N	1.89	0.89
1:C:510:ILE:CA	1:C:751:ALA:HB1	2.01	0.89
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.89
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.89
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.89
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.89
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.89
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.89
1:C:41:GLU:O	1:C:41:GLU:CD	2.15	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.89
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	0.89
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:496:GLU:OE2	1:C:708:PRO:HA	1.72	0.89
1:C:505:ILE:CD1	1:C:751:ALA:CA	2.51	0.89
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.89
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.89
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.89
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.89
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.89
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.89
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.89
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.89
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.89
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.89
1:C:826:TRP:HZ2	2:Y:72:PHE:CD1	1.78	0.89
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.89
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.89
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.89
2:Y:99:GLN:OE1	3:Z:125:ILE:O	1.90	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.89
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.89
2:Y:107:GLU:OE2	3:Z:119:ASP:OD1	1.90	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.89
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.89
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.89
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.89
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.89
1:C:418:GLN:OE1	1:C:418:GLN:O	1.89	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.89
1:C:506:ALA:HB2	1:C:753:TYR:O	1.72	0.89
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:615:GLU:OE2	1:C:617:LEU:HB2	1.70	0.89
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.89
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.89
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.72	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.26	0.89
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.72	0.89
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.72	0.89
1:C:509:PHE:HB3	1:C:750:PRO:C	1.98	0.89
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.87	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.89
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.89
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.72	0.89
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.89
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.89
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.72	0.89
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.89
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.72	0.89
2:Y:93:PHE:CZ	2:Y:104:LEU:HG	2.06	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.89
1:C:12:TYR:HH	1:C:131:ILE:HG21	1.35	0.89
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.89
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.36	0.89
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.12	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.89
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.89
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.89
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.70	0.89
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.89
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.89
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.89
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.89
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.89
1:C:505:ILE:O	1:C:753:TYR:HB2	1.06	0.89
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.70	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.89
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.89
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.89
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.89
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.89
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.89
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:503:GLU:CG	1:C:761:PHE:CE1	2.56	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.07	0.89
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.89
1:C:85:LEU:HD23	1:C:87:ASP:C	1.96	0.89
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.71	0.89
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.89
1:C:800:LYS:CA	1:C:803:ASP:OD1	2.20	0.89
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.89
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.89
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.71	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.89
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.71	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.89
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
1:C:832:LYS:HE3	2:Y:47:LEU:HB3	1.25	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.89
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.89
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.89
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:506:ALA:O	1:C:754:ARG:HG3	1.70	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.89
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:503:GLU:OE2	1:C:711:LEU:HA	1.73	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:282:TYR:CZ	1:C:285:PHE:HB2	2.07	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.89
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.89
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.89
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.89
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.89
1:C:802:GLN:HE21	3:Z:17:LEU:HD12	1.29	0.89
1:C:166:ASP:CA	1:C:719:ARG:CD	2.34	0.89
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.89
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.89
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.89
1:C:506:ALA:HB2	1:C:754:ARG:HH22	1.27	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.89
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.52	0.89
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.69	0.89
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.89
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.89
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.89
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.89
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.89
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.89
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.89
1:C:800:LYS:HE3	1:C:804:GLN:CG	2.02	0.89
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.89
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.89
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.89
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:5:PHE:CZ	1:C:780:LYS:CG	2.52	0.89
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.89
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.89
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.89
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.89
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.89
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.89
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.89
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.89
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.89
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.89
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.89
1:C:505:ILE:O	1:C:753:TYR:CD1	2.26	0.89
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.89
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.89
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.89
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.89
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.89
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.89
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.89
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.89
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.89
1:C:493:PHE:CD1	1:C:512:PHE:CG	2.60	0.89
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.89
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.89
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.89
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.89

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.89
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.89
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.89
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.89
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.89
1:C:703:CYS:HB2	1:C:764:ALA:CB	2.03	0.89
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.89
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.89
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.89
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.89
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.89
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.89
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.89
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.89
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.88
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.88
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.88
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.88
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.88
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.35	0.88
1:C:247:ILE:HD11	1:C:458:VAL:HB	1.51	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.88
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.88
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.88
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.70	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.88
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.88
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.88
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.88
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.88
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.88
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.88
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.88
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.70	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.88
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.88
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.88
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.88
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.88
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.88
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.88
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.88
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.88
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.88
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.88
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.88
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.88
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.88
1:C:119:PHE:HD2	1:C:667:PHE:N	1.68	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.88
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.38	0.88
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.88
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.88
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.88
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.88
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.88
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.35	0.88
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.88
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.88
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.88
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.88
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.88
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.88
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.88
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.88
1:C:500:TYR:HB2	1:C:754:ARG:CG	1.79	0.88
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.88
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.88
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.38	0.88
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.88
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.88
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.88
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.88
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.88
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.88
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.88
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.88
1:C:802:GLN:HE21	3:Z:17:LEU:HB2	1.37	0.88
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.88
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.38	0.88
1:C:505:ILE:CG1	1:C:753:TYR:CA	2.50	0.88
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.88
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.88
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.88
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.88
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.88
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:604:GLU:C	1:C:607:VAL:HG22	1.99	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.88
1:C:287:GLN:HE22	1:C:327:GLU:HB3	1.20	0.88
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.88
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.88
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.88
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.88
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.88
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.88
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.35	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.38	0.88
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.88
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.88
2:Y:93:PHE:CD2	3:Z:127:LYS:HE3	2.07	0.88
3:Z:96:GLU:OE2	3:Z:100:PHE:CZ	2.24	0.88
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.88
1:C:675:GLU:HG2	1:C:675:GLU:O	1.71	0.88
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.88
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.88
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.88
1:C:466:ILE:O	1:C:466:ILE:HG12	1.70	0.88
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.88
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.88
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.88
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.36	0.88
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.71	0.88
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.88
1:C:335:PHE:CE2	1:C:340:PHE:HB2	2.03	0.88
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.88
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.88
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.88
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.88
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.88
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.88
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.88
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.70	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.88
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.88
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.35	0.88
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.27	0.88
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.88
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.88
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.88
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.88
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.88
1:C:723:LEU:CA	1:C:777:ARG:NH1	2.35	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.88
1:C:800:LYS:C	1:C:801:LEU:HA	1.98	0.88
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.88
1:C:505:ILE:HD11	1:C:766:VAL:HG22	1.54	0.88
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.88
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.88
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.88
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.88
1:C:801:LEU:CD2	3:Z:21:TRP:CZ3	2.55	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:5:PHE:HE1	3:Z:93:PHE:CZ	1.90	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.88
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.88
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.88
1:C:433:ARG:HH22	1:C:618:VAL:HA	1.35	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.88
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.88
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.88
1:C:804:GLN:HE22	1:C:808:LEU:HD11	1.34	0.88
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.88
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.88
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.88
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:800:LYS:HE3	1:C:804:GLN:HG2	1.54	0.88
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.88
1:C:144:ARG:NE	1:C:147:GLU:CD	2.29	0.88
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.88
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.88
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.88
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.38	0.88
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.88
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.88
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.88
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.88
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.88
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.88
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.88
1:C:12:TYR:C	1:C:12:TYR:HD1	1.67	0.88
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.88
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.88
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.88
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.88
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.88
1:C:164:VAL:HG11	1:C:778:LEU:HB2	0.88	0.88
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.88
1:C:452:ARG:HD2	3:Z:96:GLU:N	1.88	0.88
1:C:503:GLU:HG2	1:C:755:LEU:O	1.05	0.88
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.56	0.88
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.88
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.88
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.88
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.88
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.56	0.88
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.88
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.88
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.88
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.88
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.72	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.88
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.88
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.88
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.88
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.88
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.88
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.88
1:C:505:ILE:N	1:C:762:PHE:CD2	2.41	0.88
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.88
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.88
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.88
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.88
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.88
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.87	0.88
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.88
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.88
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.88
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.88
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.88
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.88
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.88
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.88
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.88
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.88
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.35	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.88
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.88
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.88
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.88
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.88
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.88
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.88
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.88
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.88
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.88
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:8:PRO:HG3	3:Z:115:GLU:OE1	1.73	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.88
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.88
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.88
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.88
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.88
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.88
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.88
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.88
1:C:503:GLU:N	1:C:759:LYS:O	0.74	0.88
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.88
2:Y:20:MET:CE	2:Y:73:LEU:HD23	2.02	0.88
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.88
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.88
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.88
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.88
1:C:219:ILE:CG1	1:C:220:ILE:N	2.33	0.88
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.88	0.88
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.88
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.88
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.36	0.88
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.88
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.88
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.88
2:Y:138:LYS:NZ	3:Z:122:VAL:HG22	1.88	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.88
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.88
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.88
1:C:508:GLU:HG3	1:C:751:ALA:CB	1.77	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.88
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.88
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.12	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.35	0.88
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.88
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.72	0.88
1:C:506:ALA:C	1:C:753:TYR:HA	1.99	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.88
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.88
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.88
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.72	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.72	0.88
1:C:504:GLY:CA	1:C:760:VAL:HG23	1.99	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.55	0.88
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.88
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.88
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.88
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.88
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
1:C:800:LYS:C	1:C:801:LEU:HA	1.97	0.88
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.88
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.72	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.88
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.72	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
3:Z:83:PHE:CE2	3:Z:87:MET:SD	2.65	0.88
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.72	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.88
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.88
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.36	0.88
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.88
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.88
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.74	0.88
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.36	0.88
1:C:785:PHE:O	1:C:789:ILE:CG2	2.20	0.88
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:502:LYS:CB	1:C:713:TYR:OH	2.22	0.88
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.88
2:Y:99:GLN:HG3	3:Z:121:ASP:CB	2.03	0.88
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.88
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.88
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.38	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.08	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:505:ILE:C	1:C:754:ARG:N	2.24	0.88
1:C:507:TRP:CB	1:C:754:ARG:HD3	2.02	0.88
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.88
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.88
1:C:285:PHE:CZ	1:C:312:ILE:HG22	2.02	0.88
1:C:436:ASN:O	1:C:439:VAL:HG22	1.71	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.88
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.88
1:C:703:CYS:HA	1:C:708:PRO:HG3	1.53	0.88
1:C:281:ASN:OD1	1:C:312:ILE:HD13	1.72	0.88
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.88
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.88
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.88
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.88
1:C:503:GLU:CD	1:C:759:LYS:N	2.30	0.88
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.88
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.88
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.88
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.88
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.88
1:C:495:LEU:HA	1:C:755:LEU:HB2	1.53	0.88
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.33	0.88
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.88
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.88
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.88
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:466:ILE:O	1:C:466:ILE:HG12	1.70	0.88
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.88
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.88
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.88
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.88
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.88
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.88
1:C:502:LYS:HG2	1:C:713:TYR:CE1	2.07	0.88
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:773:MET:HA	1:C:776:GLU:CB	2.04	0.88
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.54	0.88
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.88
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.88
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.54	0.88
2:Y:20:MET:CE	2:Y:73:LEU:CD2	2.50	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:147:GLU:O	1:C:772:GLU:O	1.60	0.88
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.88
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.88
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.88
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.88
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.88
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.88
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.88
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.88
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.88
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.88
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.74	0.88
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.88
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.88
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.88
1:C:144:ARG:CG	1:C:772:GLU:N	2.12	0.88
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.88
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.88
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.88
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.88
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.88
2:Y:116:MET:CE	3:Z:21:TRP:NE1	2.37	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.88
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.87	0.88
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:801:LEU:HD21	3:Z:21:TRP:HZ3	1.37	0.88
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.88
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.88
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.87	0.88
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.88
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.87	0.88
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:502:LYS:HZ3	1:C:756:GLY:N	1.66	0.88
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.88
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.88
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.88
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.88
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.87	0.88
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.56	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.88
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.87	0.88
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.35	0.88
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.88
1:C:722:ILE:CB	1:C:777:ARG:HD2	1.86	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.88
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.88
3:Z:5:GLN:HA	3:Z:8:ILE:HD11	1.51	0.88
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.88
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.87	0.88
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.88
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.88
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.88
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.88
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.88
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.88
2:Y:99:GLN:OE1	3:Z:120:GLU:O	1.59	0.88
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.08	0.88
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.88
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.08	0.88
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.88
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.88
1:C:792:TYR:CE1	1:C:793:LEU:HB2	2.03	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	0.88
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.71	0.88
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.88
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.88
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.86	0.88
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.88
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.88
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.88
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.88
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.08	0.88
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.88
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.88
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.88
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.88
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.88
1:C:293:ILE:HD11	1:C:328:PHE:CZ	2.06	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.88
1:C:12:TYR:HH	1:C:131:ILE:HG21	1.34	0.88
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.88
1:C:587:VAL:HG21	1:C:589:TYR:CZ	2.08	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.88
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.88
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.88
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.88
2:Y:99:GLN:HE22	3:Z:127:LYS:NZ	1.71	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
1:C:285:PHE:HE1	1:C:356:LEU:HG	1.06	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.08	0.88
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.88
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.88
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.88
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.88
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.88
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.88
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.88
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.88
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.35	0.88
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.88
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.88
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.88
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.88
1:C:253:PRO:C	3:Z:89:ALA:CB	2.46	0.88
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.88
1:C:454:TYR:CZ	3:Z:92:THR:HB	2.07	0.88
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.86	0.88
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.88
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.88
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.88
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.88
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.88
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.88
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.88
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.88
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.88
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.88
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.88
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.88
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.88
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.88
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.88
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.88
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.88
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.88
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.88
1:C:503:GLU:OE2	1:C:711:LEU:CD1	2.22	0.88
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.88
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.88
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.88
1:C:254:THR:HG22	3:Z:105:GLU:CB	2.01	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.88
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.88
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.88
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.88
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.88
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.88
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.88
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.88
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.88
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.88
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.88
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.88
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.88
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:792:TYR:HH	2:Y:99:GLN:CG	1.80	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:138:LYS:HZ1	3:Z:122:VAL:CG2	1.85	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.88
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.88
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.88
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.86	0.88
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.88
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.88
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.88
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.88
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.88
1:C:810:VAL:HG23	1:C:811:ILE:N	1.82	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.88
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.88
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.88
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.88
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.11	0.88
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.88
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.88
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.88
1:C:712:ILE:HD11	1:C:715:GLU:CB	2.01	0.88
1:C:810:VAL:CG2	1:C:811:ILE:H	1.85	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.08	0.88
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.88
1:C:195:LYS:CE	3:Z:108:HIS:CE1	2.55	0.88
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.74	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
2:Y:141:TYR:CB	3:Z:127:LYS:HE2	2.02	0.88
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.88
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.88
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
1:C:147:GLU:HG3	1:C:771:GLU:CD	1.97	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.88
1:C:800:LYS:HZ2	1:C:804:GLN:CG	1.86	0.88
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.88
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.88
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.88
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.88
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.88
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.88
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.88
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.88
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.88
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.88
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
1:C:502:LYS:CD	1:C:713:TYR:OH	2.22	0.88
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.88
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.88
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.88
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.88
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.88
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.88
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.88
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.88
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.88
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.88
1:C:687:VAL:HG23	1:C:688:LEU:H	1.38	0.88
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.88
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.88
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.88
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.88
1:C:502:LYS:CA	1:C:755:LEU:O	2.04	0.88
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.88
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.88
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.88
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.88
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.36	0.88
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.88
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.88
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.88
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.88
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.88
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.54	0.88
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.88
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.88
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.88
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.88
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.88
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.88
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.88
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.88
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.88
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.88
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.27	0.88
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.88
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.88
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.88
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.88
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.88
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.88
1:C:505:ILE:CD1	1:C:766:VAL:HG23	1.71	0.88
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.88
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.88
1:C:163:MET:HG2	1:C:170:GLN:HG2	0.91	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.88
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.88
1:C:508:GLU:HA	1:C:752:GLU:OE2	1.07	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
1:C:800:LYS:HG3	1:C:803:ASP:OD2	1.74	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.88
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.88
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.88
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.88
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.88
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.56	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.08	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.88
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:502:LYS:CE	1:C:757:THR:CG2	2.42	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.88
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.35	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.08	0.88
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.88
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.88
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.88
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.88
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.88
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.88
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.88
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.88
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.88
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.88
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.88
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.88
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.88
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.88
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.88
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.88
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.88
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.88
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.88
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.88
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.88
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.88
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.88
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.88
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.88
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.88
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.88
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.08	0.88
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.88
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.88
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.88
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.88
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.35	0.88
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.88
1:C:165:THR:HB	1:C:715:GLU:CA	2.03	0.88
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.88
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.88
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.88
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.88
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.88
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.88
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.88
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.88
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.88
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.30	0.88
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.88
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.88
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.88
1:C:501:LYS:NZ	1:C:750:PRO:N	2.05	0.88
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.88
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.88
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.88
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.88
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.88
1:C:506:ALA:H	1:C:709:SER:HB3	1.37	0.88
1:C:800:LYS:C	1:C:801:LEU:HA	1.99	0.88
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.88
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.88
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.88
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.88
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.88
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.88
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.92	0.88
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.88
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.88
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.88
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.88
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.88
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.88
3:Z:46:ASN:ND2	3:Z:47:GLU:N	2.20	0.88
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.88
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.88
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.88
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.88
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.88
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.72	0.88
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.88
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.88
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.88
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.88
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.88
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.88
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.88
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.88
1:C:800:LYS:C	1:C:801:LEU:HA	1.98	0.88
2:Y:98:GLU:HB2	3:Z:128:LEU:HD21	0.89	0.88
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.88
1:C:502:LYS:HB2	1:C:756:GLY:HA3	1.56	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.88
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.88
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.88
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.88
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.88
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.88
1:C:147:GLU:HG2	1:C:771:GLU:CA	2.02	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.88
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.88
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.88
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.88
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.88
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.88
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.88
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.88
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.88
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.54	0.88
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.88
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.88
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.88
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.88
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.54	0.88
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.72	0.88
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.88
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.88
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.88
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.88
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.88
1:C:166:ASP:HA	1:C:712:ILE:HD11	1.55	0.88
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.88
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.57	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.88
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.88
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.88
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.88
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.88
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.88
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.87
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.87
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.87
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.87
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.54	0.87
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.87
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.87
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.89	0.87
1:C:701:ARG:HG2	1:C:705:LYS:CD	2.02	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.87
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	0.87
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.92	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
2:Y:35:VAL:HG22	2:Y:67:LEU:HB2	1.51	0.87
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.87
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.72	0.87
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.08	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.87
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.87
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.87
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.87
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.87
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.87
1:C:705:LYS:C	1:C:706:GLY:C	2.41	0.87
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.71	0.87
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.87
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.87
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.87
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.87
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.87
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.13	0.87
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.87
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.87
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.87
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
1:C:507:TRP:HA	1:C:763:LYS:HB3	0.89	0.87
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.87
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
2:Y:97:ASP:HA	3:Z:124:GLU:OE2	1.73	0.87
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.08	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.87
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.87
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.87
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.87
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.87
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.87
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.87
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.08	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.87
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.87
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.87
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87
1:C:785:PHE:HB2	3:Z:86:TYR:CD2	2.07	0.87
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.87
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.87
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.87
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.87
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.08	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:459:LEU:HD12	1:C:660:LEU:HD11	1.53	0.87
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.87
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.87
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.87
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.87
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.87
1:C:473:GLU:HG2	1:C:597:LYS:HZ1	1.10	0.87
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.87
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.92	0.87
1:C:804:GLN:OE1	3:Z:21:TRP:CH2	2.26	0.87
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.87
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.87
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.87
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.87
1:C:161:GLN:C	1:C:774:ARG:HE	1.82	0.87
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:742:ILE:CG1	1:C:743:LEU:N	2.35	0.87
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.87
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:742:ILE:CG1	1:C:743:LEU:N	2.35	0.87
1:C:800:LYS:O	1:C:804:GLN:N	2.07	0.87
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.87
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:335:PHE:HB3	1:C:345:LYS:HD2	1.42	0.87
1:C:466:ILE:O	1:C:466:ILE:HG12	1.71	0.87
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.87
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.87
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.87
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.87
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.87
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.87
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.87
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.87
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.87
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.87
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.87
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.87
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.87
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.87
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.87
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.38	0.87
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.87
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.87
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
1:C:236:ARG:HH11	1:C:465:GLU:HG2	1.36	0.87
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.87
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.87
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.87
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.87
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.87
1:C:536:GLU:CB	1:C:547:PHE:CD1	2.55	0.87
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.87
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.87
1:C:500:TYR:HE1	1:C:707:PHE:HB2	1.28	0.87
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.87
1:C:464:PHE:CZ	1:C:466:ILE:HG22	2.08	0.87
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.87
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.87
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.87
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.73	0.87
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.87
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.87
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.87
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.87
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.87
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.87
1:C:380:ALA:O	1:C:383:VAL:CG2	2.21	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.87
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.87
1:C:691:LEU:HD22	1:C:696:VAL:HG21	1.53	0.87
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.87
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.87
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.87
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.87
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.87
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.87
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.87
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.87
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:380:ALA:O	1:C:383:VAL:HG22	1.72	0.87
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.87
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.87
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.87
1:C:419:VAL:HG23	1:C:420:VAL:H	1.36	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.92	0.87
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:CD1	1:C:131:ILE:HD11	1.94	0.87
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.87
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.87
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.87
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.74	0.87
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.87
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.87
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.87
1:C:452:ARG:CD	3:Z:95:ARG:H	1.74	0.87
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.87
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.87
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.87
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.87
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.87
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.87
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.87
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.87
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:805:ARG:HA	3:Z:21:TRP:CZ3	2.09	0.87
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.87
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.87
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.87
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.87
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.87
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.87
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.87
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.72	0.87
1:C:246:PHE:HD1	1:C:459:LEU:CG	1.85	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.87
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.87
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.87
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.87
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.87
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.87
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.87
1:C:146:THR:HG21	1:C:766:VAL:O	1.73	0.87
1:C:573:GLN:O	1:C:573:GLN:OE1	1.91	0.87
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.87
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.87
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.87
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.87
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.87
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.87
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.87
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.87
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.87
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.87
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.87
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:703:CYS:O	1:C:764:ALA:HB2	1.72	0.87
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.87
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.87
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.87
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.87
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.54	0.87
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.87
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.87
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.79	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.87
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.87
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.87
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.87
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.87	0.87
1:C:503:GLU:OE2	1:C:759:LYS:CA	2.23	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.87
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.87
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.87
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.87
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.87
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.87
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.87
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.87
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.87
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.87
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.87
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.87
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.87
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.87
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.87
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.87
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.87
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.87
1:C:503:GLU:CB	1:C:754:ARG:O	2.11	0.87
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.87
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.87
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.87
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.87
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.87
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.87
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.87
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.87
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.87
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.08	0.87
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.09	0.87
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87
2:Y:99:GLN:HB2	3:Z:124:GLU:HB2	1.56	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87
1:C:800:LYS:CE	1:C:804:GLN:CB	2.44	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.87
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.87
1:C:144:ARG:NH1	1:C:720:TYR:HD1	1.69	0.87
1:C:510:ILE:HG13	1:C:512:PHE:CE1	2.04	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.87
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.87
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.54	0.87
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.87
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.55	0.87
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.87
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.87
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.87
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.87
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.88	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.87
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.87
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:604:GLU:C	1:C:607:VAL:HG22	1.98	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.87
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.87
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.87
1:C:503:GLU:O	1:C:757:THR:HG23	1.75	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.87
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
1:C:507:TRP:CZ3	1:C:707:PHE:HD1	1.91	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.87
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.87
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.87
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.87
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:505:ILE:CD1	1:C:761:PHE:HD1	1.84	0.87
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.87
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.87
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.87
1:C:503:GLU:CB	1:C:761:PHE:CD1	2.57	0.87
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.87
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.73	0.87
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.87
1:C:705:LYS:O	1:C:706:GLY:O	1.91	0.87
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.87
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.87
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.87
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.87
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.87
1:C:503:GLU:HA	1:C:759:LYS:H	1.37	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.87
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.87
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.87
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.87
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.87
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.87
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.87
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.87
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.87
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.87
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.87
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.87
3:Z:96:GLU:OE2	3:Z:100:PHE:CD1	2.25	0.87
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.87
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.87
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.87
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.87
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.87
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.87
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.87
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.87
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.87
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.87
1:C:500:TYR:CZ	1:C:707:PHE:HB2	2.08	0.87
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.87
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.87
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.87
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.87
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.87
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.87
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.87
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.87
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
1:C:395:LEU:C	1:C:395:LEU:CD2	2.35	0.87
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.87
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:165:THR:OG1	1:C:715:GLU:HB3	1.74	0.87
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.87	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:687:VAL:HG23	1:C:688:LEU:N	1.90	0.87
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.87
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.87
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.87
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.87
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.87
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.87
1:C:507:TRP:CA	1:C:763:LYS:CB	2.52	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
1:C:688:LEU:C	1:C:688:LEU:CD2	2.44	0.87
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.87
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.87
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.87
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.87
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.55	0.87
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.87
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.87
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.87
1:C:502:LYS:CE	1:C:757:THR:OG1	2.22	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
1:C:794:ILE:CG1	1:C:795:ARG:N	2.35	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:501:LYS:H	1:C:762:PHE:N	1.73	0.87
1:C:501:LYS:HZ3	1:C:743:LEU:HD21	1.37	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.87
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.87
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.87
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.87
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.87
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
3:Z:46:ASN:HD22	3:Z:47:GLU:H	1.13	0.87
3:Z:106:LEU:O	3:Z:109:VAL:CG2	2.20	0.87
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.87
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.87
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.87
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.87
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.54	0.87
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.87
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.87
1:C:505:ILE:HD13	1:C:709:SER:CB	2.03	0.87
1:C:507:TRP:CB	1:C:763:LYS:CA	2.52	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.87
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.87
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
2:Y:137:GLY:CA	3:Z:119:ASP:OD2	2.21	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.87
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.87
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.87
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.87
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.87
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.87
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.87
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.87
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.91	0.87
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.87
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.87
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.87
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.87
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.87
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.87
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.87
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.87
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.92	0.87
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.87
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.87
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.92	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.87
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.87
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.87
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.87
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.11	0.87
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:722:ILE:CG1	1:C:777:ARG:HD2	2.04	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.87
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.87
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.87
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.92	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.87
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.35	0.87
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.87
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:257:ILE:HG12	3:Z:105:GLU:OE2	1.75	0.87
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.87
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.87
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.87
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.87
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.87
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.87
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.87
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.87
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.87
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.87
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.87
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.87
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:245:LYS:HB2	1:C:460:ASP:OD2	1.73	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.87
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.87
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.87
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.87
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.87
1:C:433:ARG:NH2	1:C:618:VAL:HA	1.87	0.87
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.87
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.87
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.52	0.87
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.87
1:C:506:ALA:HB3	1:C:763:LYS:O	1.74	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.87
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.87
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.87
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.87
1:C:146:THR:H	1:C:771:GLU:HB2	1.34	0.87
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.87
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.87
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:800:LYS:HE3	1:C:804:GLN:HA	1.55	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:173:LEU:HD21	1:C:459:LEU:HD12	1.54	0.87
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.72	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.87
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.76	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.87
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.87
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.87
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.87
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.87
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.87
1:C:604:GLU:O	1:C:607:VAL:HG22	1.74	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.87
1:C:500:TYR:CG	1:C:761:PHE:HB3	1.57	0.87
1:C:502:LYS:NZ	1:C:755:LEU:O	2.06	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:723:LEU:HA	1:C:777:ARG:HE	1.37	0.87
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.87
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.87
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.87
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.87
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.89	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.87
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.08	0.87
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.87
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.87
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.87
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.87
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.87
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.87
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.87
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.87
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.87
1:C:163:MET:O	1:C:774:ARG:HD2	1.74	0.87
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.87
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.87
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.87
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.87
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.87
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.87
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.87
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.87
2:Y:108:TYR:CZ	3:Z:123:ASP:OD2	2.28	0.87
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.87
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.87
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.87
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.87
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.87
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.87
1:C:10:PHE:C	1:C:10:PHE:HD1	1.71	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.87
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.87
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.87
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.87
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.87
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.87
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.87
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.87
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.87
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.87
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.87
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.87
1:C:507:TRP:CE3	1:C:707:PHE:CE1	2.61	0.87
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.87
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.87
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.87
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.87
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.87
1:C:496:GLU:HA	1:C:761:PHE:CE2	2.08	0.87
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.87
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.87
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.87
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.87
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.87
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.87
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.87
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.87
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.87
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CE1	2.08	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
1:C:799:LYS:O	1:C:802:GLN:N	2.07	0.87
1:C:804:GLN:CD	3:Z:21:TRP:CH2	2.51	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.87
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.39	0.87
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.87
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.87
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
1:C:505:ILE:CG1	1:C:709:SER:HB3	2.02	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
2:Y:100:GLU:C	3:Z:126:ILE:HG12	1.98	0.87
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.87
2:Y:99:GLN:C	3:Z:124:GLU:O	2.17	0.87
2:Y:101:THR:HG22	3:Z:126:ILE:CA	2.03	0.87
2:Y:137:GLY:O	3:Z:119:ASP:OD2	1.92	0.87
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.87
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.87
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.87
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.92	0.87
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.87
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.87
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.87
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.87
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.87
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.87
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.87
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.87
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.87
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.87
2:Y:134:VAL:HG13	2:Y:139:PHE:HD1	1.35	0.87
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.87
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.87
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.87
1:C:165:THR:HG22	1:C:718:GLN:CB	2.05	0.87
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.87
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.87
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.87
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.87
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.87
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.87
1:C:505:ILE:HB	1:C:754:ARG:O	1.73	0.87
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.87
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.87
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.87
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.37	0.87
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.87
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.87
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.87
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.87
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.87
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:510:ILE:HG21	1:C:763:LYS:NZ	1.67	0.87
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.87
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.87
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.92	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.87
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.87
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.87
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.87
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.87
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.87
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.87
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.87
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.87
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.87
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.87
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.87
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.87
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.87
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.87
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.87
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.87
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.87
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.92	0.87
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.87
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.87
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.87
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.87
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.87
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.87
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.87
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.87
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.87
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.87
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.87
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.87
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.87
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.87
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.87
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.87
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.87
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.87
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.34	0.87
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.87
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.87
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.87
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.87
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.87
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.87
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.87
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.87
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.87
1:C:499:GLU:CB	1:C:761:PHE:CZ	2.58	0.87
1:C:499:GLU:OE1	1:C:759:LYS:HB3	1.06	0.87
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.87
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.87
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.87
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.87
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.87
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.87
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.87
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.87
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.87
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.87
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.87
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.87
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.87
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.87
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.87
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:147:GLU:HB3	3:Z:95:ARG:CG	2.05	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.87
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.87
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.87
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.87
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.87
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.87
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.87
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.87
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.87
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.87
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.87
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.87
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.87
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.87
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.87
2:Y:101:THR:CG2	3:Z:124:GLU:N	2.21	0.87
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.87
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.87
1:C:792:TYR:OH	2:Y:98:GLU:CG	2.21	0.87
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.87
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.87
1:C:763:LYS:O	1:C:766:VAL:HG22	1.75	0.87
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.87
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.87
1:C:420:VAL:O	1:C:423:VAL:CG2	2.21	0.87
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.87
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.87
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.87
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.87
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.87
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.87
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.87
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.87
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.87
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.87
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.87

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.87
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.87
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.87
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.87
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.87
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.87
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.87
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.87
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.87
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.87
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.87
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.87
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.87
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.87
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.87
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.87
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.87
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.87
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.87
2:Y:98:GLU:OE1	3:Z:124:GLU:HB3	1.74	0.87
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.87
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.87
1:C:810:VAL:HG23	1:C:811:ILE:N	1.81	0.87
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.86
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.86
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.86
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.86
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.10	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.86
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.86
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.10	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.10	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.86
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.86
1:C:722:ILE:O	1:C:777:ARG:HD3	1.75	0.86
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.10	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.86
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.86
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.10	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.23	0.86
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.10	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.86
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.86
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.86
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.86
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.86
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.73	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.86
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.86
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.86
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.86
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.86
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.86
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.86
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
1:C:763:LYS:O	1:C:766:VAL:HG22	1.75	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.86
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.86
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.86
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.86
1:C:147:GLU:HG3	1:C:774:ARG:H	1.03	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.86
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.86
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
1:C:705:LYS:C	1:C:706:GLY:CA	2.43	0.86
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.86
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.86
2:Y:103:LYS:HD2	3:Z:126:ILE:CD1	2.05	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.86
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
1:C:249:ILE:HD11	1:C:251:PHE:HE2	1.22	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.86
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.86
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.86
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.86
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:164:VAL:CA	1:C:778:LEU:HD12	2.03	0.86
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.86
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.86
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.86
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.86
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.86
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.86
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.86
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.86
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.86
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.86
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.86
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.86
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.86
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.86
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.86
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.86
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.86
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.86
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.86
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.86
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
1:C:503:GLU:CD	1:C:711:LEU:HD12	1.94	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.86
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.86
1:C:645:ILE:HG13	1:C:646:SER:N	1.86	0.86
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.86
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.86
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.86
1:C:763:LYS:O	1:C:766:VAL:HG22	1.75	0.86
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.86
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.86
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.86
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.86
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.86
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.86
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.86
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.86
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.86
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.86
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.86
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.86
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.86
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.86
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.86
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.86
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.86
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.86
1:C:267:LEU:HD11	1:C:435:PHE:CZ	2.09	0.86
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.86
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.86
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.86
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.86
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.86
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.86
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.86
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.86
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.86
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.86
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.86
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.86
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.86
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.86
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.86
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.86
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.86
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.86
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.86
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
1:C:799:LYS:HG2	1:C:803:ASP:CB	2.05	0.86
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:H	1.37	0.86
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.86
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.86
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.86
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.86
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:252:GLY:C	3:Z:89:ALA:O	2.17	0.86
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.86
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86
1:C:507:TRP:C	1:C:766:VAL:H	1.83	0.86
1:C:507:TRP:CZ2	1:C:707:PHE:CD2	2.63	0.86
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.86
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.86
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.86
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.86
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.32	0.86
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.86
1:C:507:TRP:HZ3	1:C:707:PHE:CD1	1.93	0.86
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:801:LEU:CD2	3:Z:21:TRP:CZ3	2.58	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.86
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:792:TYR:HE1	1:C:793:LEU:HB2	1.33	0.86
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.86
1:C:536:GLU:HB3	1:C:547:PHE:CZ	2.03	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.23	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.86
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.86
1:C:503:GLU:HG3	1:C:761:PHE:CD1	2.09	0.86
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.86
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.86
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.86
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.86
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.86
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
1:C:799:LYS:O	1:C:802:GLN:HB2	1.76	0.86
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.86
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.86
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.86
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.86
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.86
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.86
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.86
1:C:477:ILE:HG13	1:C:478:ASN:N	1.86	0.86
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.86
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.57	0.86
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.86
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.36	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.86
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.53	0.86
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.86
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.86
1:C:763:LYS:O	1:C:766:VAL:HG22	1.75	0.86
1:C:498:GLU:O	1:C:761:PHE:N	2.08	0.86
1:C:604:GLU:O	1:C:607:VAL:HG22	1.73	0.86
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.86
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.86
1:C:742:ILE:CG1	1:C:743:LEU:N	2.36	0.86
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.86
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.86
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.86
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.86
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.86
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.86
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.86
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.86
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.86
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.86
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.86
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.86
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.86
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.86
1:C:506:ALA:N	1:C:762:PHE:CB	2.33	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.86
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.86
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.86
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.86
1:C:505:ILE:HD13	1:C:761:PHE:H	1.33	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.86
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.41	0.86
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.86
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.86
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.86
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.86
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.86
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.86
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.86
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.86
2:Y:99:GLN:OE1	3:Z:128:LEU:O	1.65	0.86
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.86
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.86
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
1:C:498:GLU:HA	1:C:754:ARG:HH21	1.40	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.86
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.86
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.86
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.88	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
1:C:763:LYS:O	1:C:766:VAL:HG22	1.75	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.86
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.86
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.88	0.86
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:805:ARG:HB2	3:Z:21:TRP:HZ3	0.74	0.86
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.86
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.86
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.87	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.86
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.86
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.86
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.86
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.86
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.86
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.86
1:C:810:VAL:HG23	1:C:811:ILE:N	1.81	0.86
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.86
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.86
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.86
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.86
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.86
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.86
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.88	0.86
1:C:817:LYS:HE2	2:Y:83:THR:HB	1.53	0.86
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.86
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.86
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.86
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.86
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.86
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.05	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.23	0.86
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.86
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.86
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.23	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.86
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.86
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.86
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.86
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.05	0.86
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.86
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.86
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.86
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.86
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.86
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.86
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.86
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.86
1:C:507:TRP:CE3	1:C:763:LYS:HA	2.10	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.86
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.86
2:Y:101:THR:HG22	3:Z:126:ILE:HG12	0.93	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.86
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.86
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.86
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.86
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.86
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.86
1:C:704:ARG:HG3	1:C:764:ALA:HB1	0.86	0.86
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.86
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.86
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.86
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.86
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.86
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.86
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.86
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.86
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.86
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.86
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.86
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.86
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.86
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.86
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.86
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.73	0.86
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.86
1:C:144:ARG:HB3	1:C:774:ARG:HB2	1.55	0.86
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.86
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.86
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.86
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.86
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.86
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.86
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.86
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.86
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.86
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.86
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.86
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.86
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:801:LEU:HD12	3:Z:17:LEU:HD11	1.58	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.23	0.86
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.86
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.86
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.86
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.23	0.86
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.86
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.86
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.86
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.05	0.86
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.86
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.86
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.86
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.86
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.39	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.86
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.86
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.86
1:C:504:GLY:CA	1:C:760:VAL:CB	1.94	0.86
1:C:805:ARG:CD	3:Z:20:PHE:CE2	2.58	0.86
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.86
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.86
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.86
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.86
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.86
1:C:799:LYS:CE	2:Y:95:MET:HG3	2.05	0.86
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.86
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.86
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.86
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.86
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.86
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.57	0.86
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.86
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.86
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.86
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.86
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.88	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.86
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.86
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:704:ARG:CB	1:C:764:ALA:CB	2.53	0.86
1:C:802:GLN:HG2	3:Z:17:LEU:CD1	2.06	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.86
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.86
1:C:503:GLU:CB	1:C:760:VAL:C	2.49	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.86
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.86
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.86
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.86
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.86
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.86
1:C:583:TYR:CE1	1:C:584:ALA:CB	2.57	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.86
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.86
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.86
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.86
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.86
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.10	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.86
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.86
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.86
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.86
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.86
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.86
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.86
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.86
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.86
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.86
1:C:495:LEU:CB	1:C:710:ARG:HD2	2.03	0.86
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.86
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.86
2:Y:108:TYR:OH	3:Z:124:GLU:HG2	1.07	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.86
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.86
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.86
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.86
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.86
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.86
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.86
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.86
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.86
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.86
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.86
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.86
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.86
1:C:506:ALA:H	1:C:762:PHE:C	1.80	0.86
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.86
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.86
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.86
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.86
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.86
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.23	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.86
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.86
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
1:C:728:ILE:CD1	3:Z:84:ALA:CB	2.52	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.92	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.86
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.88	0.86
1:C:129:LEU:CD2	1:C:131:ILE:H	1.75	0.86
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:500:TYR:CG	1:C:707:PHE:CB	2.59	0.86
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.86
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.86
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.86
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.86
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.86
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.86
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.86
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.86
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.86
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.86
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:179:GLY:HA2	1:C:237:ASN:HD21	1.37	0.86
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.86
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.86
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.86
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.86
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.86
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.86
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.86
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.86
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.05	0.86
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.73	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.86
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.86
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.05	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.73	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.86
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.86
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.73	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.86
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.73	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.86
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.86
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.86
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.86
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.73	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.86
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.86
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.86
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.73	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:504:GLY:N	1:C:755:LEU:H	1.73	0.86
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.86
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.73	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.86
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.86
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.86
1:C:113:TYR:CD2	1:C:150:PRO:CB	2.57	0.86
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.86
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.86
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.86
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:723:LEU:HD23	1:C:777:ARG:NE	1.90	0.86
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.86
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.86
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.86
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.86
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.86
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.57	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.86
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.86
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.86
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.86
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.41	0.86
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.86
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.86
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.86
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.41	0.86
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.86
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.86
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.86
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.86
1:C:285:PHE:CE1	1:C:311:PHE:CZ	2.59	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.86
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.86
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:505:ILE:CB	1:C:761:PHE:H	1.88	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.86
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.86
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.92	0.86
1:C:728:ILE:O	1:C:728:ILE:CG1	2.21	0.86
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.86
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.86
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.86
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.86
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.86
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.86
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.86
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.86
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:801:LEU:HD13	3:Z:21:TRP:CZ3	2.10	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.86
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.86
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.86
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.86
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.86
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.86
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.86
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.86
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.86
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.86
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.86
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.86
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.86
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.86
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.86
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
2:Y:24:PHE:CD2	2:Y:28:ASP:OD2	2.27	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.86
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.23	0.86
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.86
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.86
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.86
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.86
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.86
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.86
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.86
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.86
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.05	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.86
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.86
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.86
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.86
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.86
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.86
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.86
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.86
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.86
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.86
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.86
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
1:C:503:GLU:CA	1:C:711:LEU:O	2.24	0.86
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.86
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.86
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.86
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.86
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.86
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.86
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.86
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.86
1:C:505:ILE:HG13	1:C:763:LYS:H	1.36	0.86
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.86
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.86
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.86
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.86
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.86
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.86
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.86
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.86
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.86
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
2:Y:101:THR:CG2	3:Z:121:ASP:C	2.39	0.86
2:Y:132:ALA:HB1	2:Y:139:PHE:HE1	1.02	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.86
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.57	0.86
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.86
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.86
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.86
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.86
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.86
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.36	0.86
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.86
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.86
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.86
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.86
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.86
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.86
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.86
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.86
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.86
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.23	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.86
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.86
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.86
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.86
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.86
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.86
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.10	0.86
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.86
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.86
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.86
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.86
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.86
1:C:507:TRP:CZ2	1:C:763:LYS:NZ	2.43	0.86
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.86
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.86
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.86
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:496:GLU:O	1:C:761:PHE:HE2	1.58	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.86
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.86
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.86
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.86
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.86
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.86
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.86
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.86
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.86
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.86
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.86
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.86
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.86
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.86
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.86
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.86
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.86
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.86
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.86
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.86
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.86
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.86
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.86
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.86
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.86
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.86
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.86
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:725:PRO:CG	1:C:777:ARG:HH12	1.88	0.86
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.86
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.86
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.86
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.86
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.86
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.86
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.86
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.86
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.86
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.41	0.86
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.86
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.86
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.86
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.86
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.86
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.86
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.86
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.86
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:503:GLU:CG	1:C:761:PHE:CZ	2.59	0.86
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.86
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.86
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.86
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.41	0.86
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.86
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.86
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.86
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.86
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.86
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.86
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.86
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.86
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.86
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.86
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.86
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.73	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.86
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.86
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:503:GLU:N	1:C:756:GLY:HA3	1.44	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.86
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.86
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.86
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.86
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.86
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.86
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.86
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.86
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.86
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.86
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.86
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.86
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.86
1:C:805:ARG:HD2	3:Z:20:PHE:HE2	1.35	0.86
1:C:166:ASP:OD1	1:C:715:GLU:HB2	1.76	0.86
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.86
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.86
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.86
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.86
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.86
3:Z:5:GLN:HA	3:Z:8:ILE:HD13	1.50	0.86
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.86
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.86
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.86
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.86
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.85
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.85
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.85
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.87	0.85
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.85
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.85
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:164:VAL:O	1:C:722:ILE:CD1	2.24	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.85
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.85
1:C:506:ALA:HB2	1:C:767:LEU:HG	0.89	0.85
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.85
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.85
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.85
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.85
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.88	0.85
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.85
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.85
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.85
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.85
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.85
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.85
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.85
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.85
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.85
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.85
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.85
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.85
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.85
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.85
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.85
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.85
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.85
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.85
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.85
1:C:508:GLU:CB	1:C:751:ALA:HB1	1.96	0.85
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.85
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.85	0.85
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.85
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.85
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.85
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.85
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.85
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.85
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.85
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.85
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.85
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.85
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.25	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.85
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.85
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.85
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.85
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.85
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.85
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.85
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.85
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.85
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.85
1:C:798:TYR:O	1:C:802:GLN:CB	2.23	0.85
1:C:798:TYR:CE2	1:C:802:GLN:CG	2.57	0.85
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.85
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.85
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.85
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.85
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.85
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.85
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.85
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.58	0.85
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.85
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.85
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.85
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.85
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.85
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.85
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.85
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.85
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.05	0.85
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.85
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.85
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.85
1:C:507:TRP:HZ2	1:C:763:LYS:HZ2	1.21	0.85
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.85
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.85
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.85
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.85
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:164:VAL:CG1	1:C:778:LEU:HG	1.87	0.85
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.85
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.85
1:C:500:TYR:CB	1:C:761:PHE:C	2.31	0.85
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.85
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.85
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.85
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.85
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.85
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.85
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.85
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.85
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.85
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.25	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.85
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.85
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.85
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.85
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.85
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.85
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.25	0.85
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.57	0.85
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.85
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.85
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.85
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.85
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.85
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.85
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.85
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.85
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.85
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.85
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.85
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.85
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.85
1:C:763:LYS:O	1:C:766:VAL:HG22	1.75	0.85
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.85
1:C:345:LYS:O	1:C:349:PHE:CD2	2.27	0.85
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.41	0.85
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.85
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.85
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.85
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.85
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.85
1:C:704:ARG:O	1:C:763:LYS:NZ	2.10	0.85
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.85
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.85
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.85
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.85
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.85
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.85
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.85
1:C:505:ILE:HG12	1:C:754:ARG:CG	2.05	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.41	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.85
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.41	0.85
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.85
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.85
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.85
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.85
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:506:ALA:N	1:C:754:ARG:HE	1.74	0.85
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.85
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.85
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.85
1:C:161:GLN:NE2	1:C:165:THR:HG21	1.87	0.85
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.87	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.85
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.85
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:734:ASP:O	1:C:738:VAL:HG13	1.74	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.85
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.25	0.85
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.85
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.85
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.85
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.85
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.85
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.85
1:C:799:LYS:O	1:C:803:ASP:N	2.09	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.05	0.85
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:452:ARG:NH1	3:Z:96:GLU:HB3	1.91	0.85
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.25	0.85
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.85
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.85
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.85
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.85
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.85
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.85
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.85
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.85
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.85
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.85
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.85
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.85
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.25	0.85
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.85
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.85
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.23	0.85
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.85
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.85
1:C:190:ILE:HG13	1:C:191:MET:N	1.89	0.85
1:C:800:LYS:HA	1:C:803:ASP:CG	2.01	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.85
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.85
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.85
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.85
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.25	0.85
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.85
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.85
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.85
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.85
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.85
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.85
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.25	0.85
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.85
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.85
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:502:LYS:HA	1:C:713:TYR:HH	1.08	0.85
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.85
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.85
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.25	0.85
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.85
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:CB	1:C:668:VAL:CG2	2.53	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.25	0.85
1:C:583:TYR:CE1	1:C:584:ALA:HB2	2.10	0.85
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.85
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.85
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.85
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.85
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:763:LYS:O	1:C:766:VAL:HG22	1.75	0.85
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.85
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.85
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.85
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.58	0.85
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.85
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.85
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:498:GLU:HA	1:C:755:LEU:H	1.40	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.85
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.85
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.85
1:C:742:ILE:HG13	1:C:743:LEU:N	1.74	0.85
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.85
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.85
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.85
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.41	0.85
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.85
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.85
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.58	0.85
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.85
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.85
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.85
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.85
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.02	0.85
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.85
2:Y:40:ILE:CG1	2:Y:41:LYS:N	2.36	0.85
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.85
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.85
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.85
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.85
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.85
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.85
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.85
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:451:LYS:HD3	3:Z:141:TYR:CG	2.10	0.85
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.85
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.05	0.85
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.85
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.85
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.85
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.85
1:C:499:GLU:HG3	1:C:710:ARG:HH12	1.41	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:499:GLU:HG3	1:C:710:ARG:HH12	1.41	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.25	0.85
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.85
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.85
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.85
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.85
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:799:LYS:HG2	1:C:803:ASP:HB3	0.88	0.85
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.85
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.85
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:502:LYS:HZ3	1:C:757:THR:HG23	1.05	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.85
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:503:GLU:CG	1:C:761:PHE:CD1	2.60	0.85
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.54	0.85
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.85
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.85
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.85
1:C:801:LEU:HD13	3:Z:21:TRP:CE3	2.10	0.85
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.85
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.85
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.25	0.85
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.25	0.85
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:763:LYS:O	1:C:766:VAL:HG22	1.75	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.85
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.85
2:Y:101:THR:H	3:Z:127:LYS:HE2	1.39	0.85
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.85
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.57	0.85
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.85
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.85
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.85
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.85
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.85
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.85
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.85
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.59	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.25	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.85
1:C:76:SER:OG	1:C:93:TYR:CE1	2.21	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.85
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.85
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.58	0.85
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:505:ILE:HD12	1:C:767:LEU:H	1.41	0.85
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.85
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.85
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.85
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.85
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.85
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.85
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.85
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.85
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.85
1:C:297:ASN:HD22	1:C:298:ASP:H	1.21	0.85
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.85
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.85
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.89	0.85
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.85
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.85
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.85
1:C:297:ASN:HD22	1:C:298:ASP:H	1.21	0.85
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.85
1:C:297:ASN:HD22	1:C:298:ASP:H	1.21	0.85
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.85
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.85
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.85
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:772:GLU:C	1:C:776:GLU:HG2	2.01	0.85
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.85
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.85
1:C:319:VAL:HG21	1:C:322:ILE:HB	1.53	0.85
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.85
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:297:ASN:HD22	1:C:298:ASP:H	1.21	0.85
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.85
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:297:ASN:HD22	1:C:298:ASP:H	1.21	0.85
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.85
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:297:ASN:HD22	1:C:298:ASP:H	1.21	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.85
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.85
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.85
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.85
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.23	0.85
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.85
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.85
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.85
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85
1:C:10:PHE:C	1:C:10:PHE:HD1	1.72	0.85
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.85
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.85
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.85
1:C:193:LEU:CD1	1:C:249:ILE:CD1	2.52	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.40	0.85
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.85
1:C:437:TRP:CD1	1:C:441:ARG:HH21	1.93	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.85
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.85
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.85
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.85
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.85
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.85
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.85
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.85
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.85
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.85
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.85
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.85
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.85
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.85
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.85
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.85
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.85
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.85
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.90	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.85
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.57	0.85
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.85
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.85
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.85
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.85
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.85
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.85
1:C:505:ILE:HD12	1:C:766:VAL:CB	2.06	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.85
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.85
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.23	0.85
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.85
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.85
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.85
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.85
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.85
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.85
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.85
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.85
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.85
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:502:LYS:HZ2	1:C:756:GLY:N	1.68	0.85
1:C:507:TRP:O	1:C:753:TYR:CB	2.03	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.85
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.85
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.85
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.85
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.85
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.85
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.85
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.40	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.85
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.85
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:500:TYR:O	1:C:505:ILE:HG22	1.54	0.85
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:502:LYS:HG3	1:C:713:TYR:CE2	2.10	0.85
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.85
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.85
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.85
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.85
1:C:76:SER:OG	1:C:93:TYR:CE1	2.21	0.85
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.85
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.85
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.85
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.85
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.54	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.85
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.85
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.85
1:C:503:GLU:HB2	1:C:761:PHE:HD1	1.41	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85
1:C:792:TYR:HH	2:Y:98:GLU:HG2	1.40	0.85
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.85
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.85
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.85
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.85
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.85
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.85
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.85
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.25	0.85
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.85
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.85
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.85
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.85
1:C:796:LYS:CD	3:Z:128:LEU:CD1	2.53	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.40	0.85
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.85
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.85
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.85
1:C:488:PHE:CZ	1:C:492:MET:SD	2.68	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.85
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.05	0.85
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.85
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.85
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.85
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.85
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.85
1:C:296:LEU:HD23	1:C:299:VAL:HG21	1.54	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.85
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.85
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.85
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.85
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.85
1:C:687:VAL:HG23	1:C:688:LEU:N	1.90	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.85
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.85
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.85
1:C:76:SER:OG	1:C:93:TYR:CE1	2.21	0.85
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.11	0.85
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.85
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.85
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.85
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.85
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.85
1:C:502:LYS:CG	1:C:758:THR:H	1.89	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.85
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.85
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.85
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.85
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.85
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.85
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.85
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.85
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.85
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.85
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.85
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.85
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.85
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:503:GLU:CB	1:C:711:LEU:N	2.23	0.85
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.85
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.85
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.85
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.85
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.85
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.85
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.85
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.85
1:C:497:GLN:C	1:C:761:PHE:CD1	2.54	0.85
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.85
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.85
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.85
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.85
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.85
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.85
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.41	0.85
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.85
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.85
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.85
1:C:76:SER:OG	1:C:93:TYR:CE1	2.21	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
1:C:763:LYS:O	1:C:766:VAL:HG22	1.75	0.85
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.85
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.85
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.85
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.85
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.85
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.85
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.85
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.85
1:C:5:PHE:CE2	3:Z:45:ARG:NH1	2.45	0.85
1:C:282:TYR:CD2	1:C:284:ILE:HB	2.09	0.85
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.85
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.85
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.85
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.85
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.85
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.85
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.85
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.85
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.85
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.85
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.85
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.85
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.85
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.85
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.85
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.85
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.85
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.85
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.85
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:372:ALA:O	1:C:399:LEU:HD13	1.75	0.85
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.85
1:C:800:LYS:O	1:C:804:GLN:CB	2.25	0.85
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.85
1:C:143:LYS:HE3	1:C:775:ASP:CA	2.07	0.85
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.85
1:C:703:CYS:O	1:C:764:ALA:CB	2.24	0.85
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.85
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.85
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.85
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.85
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.85
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.85
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.85
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.85
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.25	0.85
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.85
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.85
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.85
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.85
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.85
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.85
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.85
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.85
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.85
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.85
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.85
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.85
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:771:GLU:OE1	1:C:775:ASP:OD2	1.95	0.85
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.85
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.85
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.85
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.85
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.85
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.85
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.85
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.85
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.85
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.85
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.85
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.85
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.85
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.85
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.85
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.85
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:773:MET:HA	1:C:776:GLU:CB	2.05	0.85
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.85
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.85
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.40	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.85
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.85
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.85
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.85
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.85
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:567:LYS:HG3	1:C:568:PRO:CD	1.98	0.85
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.85
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.85
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
2:Y:105:ASN:ND2	3:Z:119:ASP:OD2	2.09	0.85
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.85
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.85
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.85
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.85
1:C:750:PRO:HA	1:C:753:TYR:CZ	2.10	0.85
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.85
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.85
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.85
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.85
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.05	0.85
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:763:LYS:O	1:C:766:VAL:HG22	1.75	0.85
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.85
1:C:219:ILE:CG1	1:C:220:ILE:H	1.88	0.85
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.40	0.85
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.85
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.58	0.85
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.85
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.85
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.85
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.85
1:C:503:GLU:OE1	1:C:759:LYS:N	2.10	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.85
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.85
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.85
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
1:C:720:TYR:CE1	1:C:770:LEU:HB3	2.10	0.85
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.23	0.85
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.85
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.85
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.85
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.85
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.85
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.85
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.85
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.85
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
2:Y:117:GLY:HA3	3:Z:20:PHE:CZ	2.11	0.85
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.85
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.85
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.85
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.85
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.85
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.85
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.85
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.85
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.42	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.85
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.85
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.85
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.85
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.85
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.85
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.85
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.85
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.85
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.85
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.85
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.85
1:C:504:GLY:CA	1:C:760:VAL:CG1	2.47	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.85
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.85
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.85
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.85
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.85
1:C:728:ILE:CD1	1:C:728:ILE:O	2.25	0.85
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.85
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.85
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.85
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.85
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.88	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.85
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.85
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.85
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.85
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:498:GLU:HB3	1:C:755:LEU:CB	2.06	0.85
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.85
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.85
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.85
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
2:Y:138:LYS:HZ2	3:Z:123:ASP:HB3	1.40	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.85
1:C:144:ARG:NE	1:C:774:ARG:HB2	1.92	0.85
1:C:243:PHE:CB	1:C:267:LEU:HD23	1.95	0.85
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.85
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.85
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.85
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.85
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.85
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.85
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.85
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.89	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.85
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.85
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.85
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.85
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.60	0.85
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.85
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.85
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.85
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.85
1:C:419:VAL:HG23	1:C:420:VAL:N	1.91	0.85
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.85
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.85
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.85
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:503:GLU:CB	1:C:761:PHE:CE1	2.60	0.85
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.85
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.85
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.85
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.85
1:C:800:LYS:HA	1:C:803:ASP:CG	2.01	0.85
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.85
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.85
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.85
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.60	0.85
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.85
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.85
1:C:219:ILE:CG1	1:C:220:ILE:H	1.88	0.85
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.85
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.85
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.85
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
2:Y:93:PHE:CZ	3:Z:127:LYS:CE	2.28	0.85
2:Y:101:THR:N	3:Z:128:LEU:H	1.71	0.85
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.85
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.85
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.85
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.85
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.85
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.85
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.85
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.76	0.85
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.85
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.85
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.85
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.85
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.88	0.85
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.85
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.85
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.85
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.85
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.85
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.85
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.85
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.85
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.85
2:Y:99:GLN:HG3	3:Z:128:LEU:HA	1.43	0.85
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.85
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.85
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.05	0.85
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:772:GLU:O	1:C:776:GLU:N	2.09	0.85
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.85
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.85
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.85
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.85
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.85
1:C:497:GLN:O	1:C:754:ARG:CB	2.24	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:723:LEU:CA	1:C:777:ARG:CD	2.53	0.85
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.85
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.85
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.85
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.85
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.85
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.85
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.85
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.85
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.85
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.85
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.85
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.85
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.85
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.85
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.85
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.85
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.85
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.85
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.85
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.85
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.58	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.85
1:C:505:ILE:HD13	1:C:709:SER:HB3	1.58	0.85
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.85
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.85
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.85
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.85
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.85
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.85
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.85
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.85
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.85
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.85
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.05	0.85
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.85
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.85
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.85
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.85
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.85
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.85
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.85
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.85
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.85
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.85
1:C:94:LEU:HD13	1:C:700:ILE:HB	1.55	0.85
1:C:510:ILE:HG12	1:C:512:PHE:CE1	2.09	0.85
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.85
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.85
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.85
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.85
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.85
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.85
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.85
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.85
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.85
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.85
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.85
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.85
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.85
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.85
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.85
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.85
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.85
1:C:32:LYS:HA	1:C:48:ILE:HD12	1.53	0.85
1:C:505:ILE:HD13	1:C:767:LEU:H	1.41	0.85
1:C:508:GLU:HG2	1:C:751:ALA:HA	1.35	0.85
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.85
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.85
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.85
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.84
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.84
1:C:801:LEU:HD21	3:Z:21:TRP:CZ3	2.12	0.84
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.23	0.84
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.84
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.84
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.84
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.84
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.84
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.84
1:C:256:LYS:CD	3:Z:108:HIS:O	2.23	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.84
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.84
1:C:493:PHE:H	1:C:754:ARG:NH2	1.71	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.84
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.84
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.84
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
1:C:129:LEU:O	1:C:129:LEU:CD1	2.22	0.84
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.84
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.23	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.84
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.84
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.84
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.84
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.84
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.84
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.84
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.84
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.74	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.84
1:C:725:PRO:CD	1:C:777:ARG:HH12	1.90	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:193:LEU:HD11	1:C:249:ILE:HD11	1.56	0.84
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.84
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.84
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.84
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.84
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.84
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.84
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.84
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.84
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.84
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.60	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.58	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.84
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.84
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.84
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.41	0.84
1:C:147:GLU:HB3	1:C:774:ARG:C	1.99	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.84
1:C:645:ILE:O	1:C:648:VAL:CG1	2.23	0.84
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:555:HIS:HD2	1:C:559:ASN:ND2	1.72	0.84
2:Y:85:SER:HG	2:Y:88:THR:HG23	1.05	0.84
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.84
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.89	0.84
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.84
1:C:503:GLU:HB3	1:C:756:GLY:HA2	1.59	0.84
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.58	0.84
1:C:763:LYS:O	1:C:766:VAL:HG22	1.75	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.84
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.84
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:763:LYS:O	1:C:766:VAL:HG22	1.75	0.84
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.84
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.73	0.84
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.84
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.84
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.84
1:C:153:PHE:CZ	1:C:188:LYS:HE2	2.11	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.84
1:C:505:ILE:CD1	1:C:754:ARG:NE	2.40	0.84
1:C:615:GLU:HB3	1:C:618:VAL:CG2	2.05	0.84
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.84
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.84
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.84
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.84
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.88	0.84
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.84
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.84
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.84
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.89	0.84
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.84
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.84
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.84
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.84
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.84
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.84
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.84
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.84
1:C:763:LYS:O	1:C:766:VAL:HG22	1.75	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.84
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.84
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.84
1:C:508:GLU:CB	1:C:752:GLU:OE2	2.25	0.84
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.84
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.84
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
1:C:437:TRP:CE3	1:C:440:ARG:NH2	2.44	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.84
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.84
1:C:177:GLU:HG3	1:C:672:ILE:HG21	1.54	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.84
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
1:C:495:LEU:O	1:C:761:PHE:HZ	1.53	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:493:PHE:HD1	1:C:512:PHE:CD1	1.91	0.84
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.89	0.84
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.84
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.84
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
1:C:728:ILE:O	1:C:728:ILE:CD1	2.25	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.84
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.84
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.84
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.84
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.84
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.84
1:C:143:LYS:C	1:C:771:GLU:CD	2.45	0.84
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.84
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.84
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.41	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.84
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.84
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.84
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.84
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.84
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.58	0.84
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.84
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.84
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.05	0.84
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:O	1:C:753:TYR:CG	2.29	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.84
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.84
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.84
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.84
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.84
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.84
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.84
1:C:499:GLU:HG3	1:C:710:ARG:HH12	1.41	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.84
1:C:249:ILE:HG13	1:C:456:ILE:HG22	1.55	0.84
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.84
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.07	0.84
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.84
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.84
1:C:335:PHE:CD2	1:C:345:LYS:HD3	2.07	0.84
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.84
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.84
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.84
1:C:113:TYR:HD2	1:C:150:PRO:HB2	1.39	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.40	0.84
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.84
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.84
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.84
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.84
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.84
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.84
1:C:452:ARG:NH1	3:Z:96:GLU:H	1.63	0.84
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.84
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.84
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.84
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.84
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.84
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.84
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.84
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.84
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.84
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.84
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.84
1:C:491:HIS:CE1	1:C:665:PRO:HG2	2.10	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.76	0.84
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.84
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.84
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.84
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.84
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.84
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.84
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.43	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:505:ILE:CD1	1:C:754:ARG:HB2	2.05	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.84
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.84
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.84
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.84
1:C:335:PHE:HB2	1:C:345:LYS:NZ	1.90	0.84
1:C:352:THR:O	1:C:356:LEU:HD13	1.75	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.84
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.84
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.84
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.84
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.84
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.84
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.84
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.84
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.84
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.84
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.84
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.84
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.84
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:503:GLU:CG	1:C:761:PHE:CZ	2.58	0.84
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.84
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.84
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.84
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.84
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.84
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.84
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.84
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.84
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.84
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.84
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.84
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.84
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.84
1:C:158:ASN:OD1	1:C:771:GLU:HG3	1.77	0.84
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.84
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.84
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.84
2:Y:93:PHE:HE2	3:Z:127:LYS:CD	1.89	0.84
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.84
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.84
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.84
1:C:801:LEU:HD13	3:Z:21:TRP:CE3	2.12	0.84
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.84
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.84
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.84
1:C:587:VAL:HG23	1:C:589:TYR:HE2	1.22	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.84
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.84
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.84
1:C:156:ALA:CB	1:C:192:TYR:HE2	1.83	0.84
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.84
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.84
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.84
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.84
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.84
1:C:500:TYR:C	1:C:753:TYR:O	2.21	0.84
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.84
1:C:800:LYS:C	1:C:801:LEU:HA	2.02	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.84
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.84
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.84
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.84
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.84
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.84
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.84
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.84
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.84
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.84
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.84
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.84
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.84
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.84
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.84
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:56:ILE:HD11	1:C:58:VAL:CG1	2.03	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.84
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.84
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.84
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.84
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:296:LEU:CD2	1:C:299:VAL:CG2	2.45	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.84
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.84
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.84
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.84
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:507:TRP:HB3	1:C:754:ARG:HG2	1.58	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.84
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.43	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.84
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.84
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.84
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.84
1:C:518:MET:O	1:C:521:ASP:N	2.09	0.84
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.84
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.84
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:663:THR:O	1:C:665:PRO:HD3	1.75	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.84
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:282:TYR:HE2	1:C:284:ILE:CB	1.89	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.84
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.84
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.58	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.84
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.84
1:C:7:ASP:HA	3:Z:115:GLU:CA	2.07	0.84
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.84
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.84
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.43	0.84
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.41	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.84
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.84
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.60	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.84
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.07	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.60	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.25	0.84
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.84
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.84
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.84
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.07	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.84
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.84
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.84
1:C:501:LYS:HB3	1:C:760:VAL:HA	1.58	0.84
1:C:509:PHE:HA	1:C:754:ARG:HD3	1.59	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.84
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.84
1:C:801:LEU:CD2	3:Z:21:TRP:CZ3	2.60	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.84
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.40	0.84
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.84
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
2:Y:105:ASN:HB3	2:Y:108:TYR:HD1	1.12	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.84
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.84
1:C:504:GLY:HA3	1:C:760:VAL:HG22	1.58	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.84
1:C:788:HIS:HE1	3:Z:149:MET:CA	1.88	0.84
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.84
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.84
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.84
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.84
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.84
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.84
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.84
1:C:728:ILE:O	1:C:728:ILE:CD1	2.24	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.84
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.84
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.84
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.84
1:C:505:ILE:CD1	1:C:762:PHE:HB2	2.06	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.57	0.84
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.84
1:C:138:ALA:HB1	3:Z:109:VAL:HA	1.60	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
2:Y:105:ASN:HB3	2:Y:108:TYR:CE1	2.10	0.84
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.84
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.84
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.84
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.58	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.84
1:C:500:TYR:HE1	1:C:707:PHE:C	1.84	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.84
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.84
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.84
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.84
1:C:156:ALA:HB3	1:C:192:TYR:CD2	2.11	0.84
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.84
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.84
1:C:728:ILE:O	1:C:728:ILE:HD12	1.75	0.84
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.84
1:C:165:THR:CB	1:C:715:GLU:HA	2.07	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.31	0.84
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
1:C:832:LYS:HZ3	2:Y:48:GLY:N	1.74	0.84
1:C:285:PHE:HD2	1:C:312:ILE:HG12	1.11	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
1:C:115:TYR:HE1	1:C:150:PRO:HA	1.40	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.84
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.84
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.84
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.84
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.40	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.84
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.84
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.84
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.84
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.84
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.89	0.84
1:C:166:ASP:HA	1:C:720:TYR:CB	2.07	0.84
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.40	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.84
1:C:800:LYS:C	1:C:803:ASP:OD1	2.21	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.40	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.89	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.84
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.84
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.84
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.84
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.84
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.40	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.84
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.84
1:C:832:LYS:HZ3	2:Y:48:GLY:N	1.75	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.40	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.84
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.40	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84
1:C:505:ILE:HD13	1:C:761:PHE:HD1	1.40	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.84
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.84
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.84
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.13	0.84
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.84
1:C:126:TYR:CD2	1:C:679:PRO:HB3	2.03	0.84
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.84
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.84
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.84
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.87	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.84
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.84
2:Y:102:LYS:O	2:Y:103:LYS:CG	2.24	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.58	0.84
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.84
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.84
1:C:506:ALA:HB2	1:C:754:ARG:HH21	1.40	0.84
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.57	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.84
1:C:507:TRP:CB	1:C:763:LYS:CB	2.39	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.84
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.84
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.84
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.84
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.84
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.75	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.84
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.84
1:C:505:ILE:H	1:C:761:PHE:N	1.66	0.84
1:C:800:LYS:HG2	1:C:804:GLN:CB	2.08	0.84
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.84
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.84
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.84
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.58	0.84
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.84
1:C:113:TYR:CE1	1:C:120:CYS:HB2	2.10	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.84
1:C:144:ARG:HG2	1:C:147:GLU:HG3	1.10	0.84
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.84
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.84
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.84
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.84
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.57	0.84
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.84
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.84
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.84
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.84
2:Y:141:TYR:HB3	3:Z:127:LYS:HE3	1.58	0.84
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:500:TYR:CD2	1:C:707:PHE:HB3	2.10	0.84
1:C:500:TYR:N	1:C:761:PHE:CD2	2.18	0.84
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.84
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.84
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.84
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.84
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.84
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.84
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.84
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.84
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.84
1:C:500:TYR:CD1	1:C:707:PHE:CD1	2.65	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.84
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.25	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.43	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.84
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.84
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.84
1:C:501:LYS:HE3	1:C:716:PHE:HZ	1.38	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.84
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.84
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.84
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.84
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.84
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.25	0.84
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.84
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.84
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.25	0.84
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.84
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.84
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.84
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.84
1:C:712:ILE:O	1:C:712:ILE:HG12	1.74	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.84
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.84
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.84
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.84
1:C:664:HIS:CE1	1:C:712:ILE:HD13	2.13	0.84
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.84
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.84
1:C:507:TRP:O	1:C:754:ARG:NH1	2.09	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.84
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.84
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.84
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.84
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.84
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.84
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.84
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.84
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.41	0.84
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.60	0.84
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:499:GLU:CB	1:C:710:ARG:NH1	2.40	0.84
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.84
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.84
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.60	0.84
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.84
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
2:Y:20:MET:HE3	2:Y:73:LEU:HD23	1.56	0.84
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.84
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.31	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
1:C:528:GLY:O	1:C:532:ILE:CG1	2.24	0.84
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.84
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.84
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.73	0.84
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.84
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.84
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.84
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.84
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.57	0.84
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.84
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.84
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.84
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.84
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.84
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.41	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.84
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.84
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.84
2:Y:138:LYS:HZ3	3:Z:126:ILE:CD1	1.90	0.84
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:497:GLN:C	1:C:754:ARG:CB	2.49	0.84
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.57	0.84
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.43	0.84
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.84
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.60	0.84
1:C:297:ASN:HD22	1:C:298:ASP:H	1.21	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
1:C:687:VAL:HG23	1:C:688:LEU:H	1.39	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:190:ILE:HD13	1:C:219:ILE:CD1	2.06	0.84
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.84
1:C:505:ILE:HD13	1:C:754:ARG:O	1.75	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.84
1:C:800:LYS:O	1:C:804:GLN:HB3	1.77	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.84
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.89	0.84
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.84
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.84
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
2:Y:108:TYR:CZ	3:Z:120:GLU:O	2.30	0.84
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.84
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84
1:C:461:ILE:HD11	1:C:484:LEU:HD12	1.56	0.84
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.84
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.84
2:Y:20:MET:HE2	2:Y:73:LEU:CD2	2.06	0.84
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.84
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.84
1:C:763:LYS:O	1:C:766:VAL:HG22	1.76	0.84
1:C:805:ARG:CA	3:Z:21:TRP:CZ3	2.60	0.84
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.84
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.84
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.84
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.84
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.84
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.84
2:Y:93:PHE:CE2	2:Y:141:TYR:HB3	2.11	0.84
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.84
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.84
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.84
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.84
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.84
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:238:ASN:ND2	1:C:322:ILE:HG13	1.91	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.84
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.84
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.84
2:Y:105:ASN:ND2	3:Z:120:GLU:N	2.24	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.84
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.84
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.84
1:C:366:ARG:HH22	1:C:368:ARG:NH2	1.73	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.84
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.84
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.84
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.84
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.84
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.84
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.07	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.84
1:C:503:GLU:HG3	1:C:761:PHE:HZ	1.00	0.84
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.84
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.84
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.84
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.84
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.84
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.65	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.84
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.84
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.84
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.84
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.84
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.84
1:C:297:ASN:HD22	1:C:298:ASP:H	1.21	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.84
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.39	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.43	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.84
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.84
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.40	0.84
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.43	0.84
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.42	0.84
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.84
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.40	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.84
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.84
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.84
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.84
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.43	0.84
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.84
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.84
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.84
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.84
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.84
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.84
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.84
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.84
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.84
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.58	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.84
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.84
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.84
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.84
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.84
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.84
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.84
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.84
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.84
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.84
1:C:687:VAL:HG23	1:C:688:LEU:N	1.89	0.84
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.84
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.91	0.84
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.84
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.84
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.84
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.84
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.84
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.84
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.84
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.84
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.84
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.84
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.84
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.84
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.84
1:C:420:VAL:C	1:C:423:VAL:HG22	2.01	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
1:C:504:GLY:C	1:C:756:GLY:H	1.84	0.84
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.84
1:C:338:LEU:HB2	1:C:340:PHE:CE2	2.08	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.84
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.84
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.84
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.84
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.84
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.84
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.84
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.84
1:C:32:LYS:CA	1:C:48:ILE:HD13	1.97	0.84
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.84
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.84
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.84
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.84
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.74	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.84
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.84
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.84
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.84
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.84
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.84
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.84
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.84
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.84
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.84
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.84
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.84
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.84
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.84
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.84
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.84
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.84
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.84
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.84
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.84
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.05	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.84
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.84
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.84
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.89	0.84
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.84
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.84
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.84
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.91	0.84
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.84
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.84
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.84
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.84
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.58	0.84
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.84
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.84
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.84
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.84
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.84
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.84
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.84
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.84
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.84
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.84
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.84
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.84
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.84
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.58	0.84
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.84
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.84
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.84
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.84
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.84
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.84
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.84
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.84
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.84
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.84
3:Z:100:PHE:CD1	3:Z:101:ILE:N	2.44	0.84
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
1:C:728:ILE:O	1:C:728:ILE:HD12	1.76	0.84
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.05	0.84
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
1:C:503:GLU:HB3	1:C:761:PHE:HE1	1.43	0.84
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.84
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.84

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.84
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.84
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.84
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.84
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.84
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.84
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.84
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.84
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.84
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.84
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.84
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.84
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.84
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.84
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.84
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.84
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.84
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.84
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.84
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.84
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.84
1:C:498:GLU:C	1:C:759:LYS:O	2.21	0.84
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.84
1:C:832:LYS:HZ3	2:Y:48:GLY:N	1.74	0.84
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.60	0.84
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.83
1:C:140:TYR:HD1	1:C:140:TYR:C	1.72	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
1:C:297:ASN:HD22	1:C:298:ASP:H	1.21	0.83
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.83
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	1.93	0.83
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:174:ILE:O	1:C:174:ILE:HG13	1.74	0.83
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.86	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.83
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.86	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.83
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:500:TYR:CE1	1:C:707:PHE:HD1	1.82	0.83
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.83
1:C:499:GLU:HB2	1:C:710:ARG:NH1	1.91	0.83
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.83
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.83
1:C:140:TYR:HD1	1:C:140:TYR:C	1.72	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
1:C:297:ASN:HD22	1:C:298:ASP:H	1.21	0.83
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
1:C:724:ALA:H	1:C:725:PRO:HD3	1.43	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.83
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.83
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.83
1:C:140:TYR:HD1	1:C:140:TYR:C	1.72	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
1:C:297:ASN:HD22	1:C:298:ASP:H	1.21	0.83
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.83
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.83
1:C:140:TYR:HD1	1:C:140:TYR:C	1.72	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
1:C:297:ASN:HD22	1:C:298:ASP:H	1.21	0.83
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
1:C:724:ALA:H	1:C:725:PRO:HD3	1.43	0.83
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.83
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.83
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.83
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.83
1:C:140:TYR:HD1	1:C:140:TYR:C	1.72	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
1:C:297:ASN:HD22	1:C:298:ASP:H	1.21	0.83
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.83
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.83
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.83
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.83
1:C:140:TYR:HD1	1:C:140:TYR:C	1.72	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:297:ASN:HD22	1:C:298:ASP:H	1.21	0.83
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.83
1:C:140:TYR:HD1	1:C:140:TYR:C	1.72	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
1:C:297:ASN:HD22	1:C:298:ASP:H	1.21	0.83
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:796:LYS:CE	3:Z:128:LEU:HD22	2.02	0.83
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.83
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.83
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.60	0.83
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.83
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.83
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.83
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.83
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.83
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.83
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.83
1:C:76:SER:HG	1:C:93:TYR:CD1	1.36	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.83
1:C:76:SER:HG	1:C:93:TYR:CD1	1.36	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.83
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.83
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.07	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.83
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.83
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.83
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.83
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.83
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.60	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.83
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.41	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:76:SER:HG	1:C:93:TYR:CD1	1.36	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.83
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.83
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.60	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.83
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.83
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:76:SER:HG	1:C:93:TYR:CD1	1.36	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.83
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.83
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.83
1:C:285:PHE:HZ	1:C:312:ILE:HG21	1.26	0.83
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.83
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.83
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.83
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.83
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:452:ARG:HG3	3:Z:94:ASP:OD1	1.78	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:494:ILE:O	1:C:754:ARG:HD2	1.76	0.83
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.83
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.83
2:Y:89:ILE:HG12	2:Y:90:ARG:N	1.88	0.83
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:501:LYS:NZ	1:C:740:GLU:OE1	2.10	0.83
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.83
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.83
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.83
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.83
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.83
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.83
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.83
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.83
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:724:ALA:H	1:C:725:PRO:HD3	1.43	0.83
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.83
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.83
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.41	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.83
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.83
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.83
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.83
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.83
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.83
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.83
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.83
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.83
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.83
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.83
1:C:703:CYS:HA	1:C:708:PRO:CG	2.07	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:496:GLU:O	1:C:500:TYR:CD2	2.30	0.83
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.83
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.83
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.83
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.83
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.83
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.83
1:C:505:ILE:HD12	1:C:753:TYR:C	2.03	0.83
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.83
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.83
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.58	0.83
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.83
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.83
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.31	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.13	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.83
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.83
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.83
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
1:C:528:GLY:O	1:C:532:ILE:CG1	2.25	0.83
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.83
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.83
1:C:500:TYR:O	1:C:762:PHE:HD1	1.61	0.83
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.86	0.83
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.83
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.83
1:C:287:GLN:HE22	1:C:327:GLU:CB	1.89	0.83
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.09	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:HD11	1:C:762:PHE:HE2	1.34	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.86	0.83
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.83
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.83
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.83
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.83
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.83
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.83
1:C:453:ASN:OD1	3:Z:89:ALA:O	1.96	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.86	0.83
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.83
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.83
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.86	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.86	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.83
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.83
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.83
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.58	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.83
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.83
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.86	0.83
1:C:231:ASN:HB2	1:C:283:HIS:CD2	2.12	0.83
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.83
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.86	0.83
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.83
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.86	0.83
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.83
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.83
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.83
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.83
1:C:234:THR:HG22	1:C:271:ARG:HH22	1.40	0.83
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.83
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.09	0.83
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.86	0.83
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.86	0.83
1:C:506:ALA:CB	1:C:766:VAL:CG1	2.53	0.83
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.83
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.86	0.83
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.83
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.83
1:C:10:PHE:O	1:C:10:PHE:CG	2.30	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.86	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.86	0.83
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.83
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.83
1:C:503:GLU:HB2	1:C:761:PHE:HD1	1.42	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.83
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.60	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:190:ILE:HG13	1:C:191:MET:N	1.88	0.83
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.83
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83
1:C:499:GLU:CB	1:C:710:ARG:HH11	1.91	0.83
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.83
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.05	0.83
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.83
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.83
1:C:508:GLU:HB2	1:C:752:GLU:OE1	1.79	0.83
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.83
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
2:Y:138:LYS:NZ	3:Z:123:ASP:HB3	1.92	0.83
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.83
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.83
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.83
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.83
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.83
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.83
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.62	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.83
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.83
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:335:PHE:CE1	1:C:340:PHE:CD1	2.65	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.83
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.83
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.83
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.83
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.83
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
2:Y:32:ASP:HB3	2:Y:34:PHE:CE1	2.09	0.83
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.83
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.83
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.83
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:296:LEU:O	1:C:299:VAL:CG2	2.22	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.83
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.83
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.83
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.83
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.83
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.83
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.83
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
1:C:506:ALA:N	1:C:709:SER:HB3	1.90	0.83
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.83
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.83
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:166:ASP:C	1:C:719:ARG:HD3	2.03	0.83
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.83
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.58	0.83
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.83
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.62	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.83
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.83
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.83
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.83
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.40	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.83
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.83
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.83
1:C:500:TYR:CA	1:C:761:PHE:CB	2.45	0.83
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:12:TYR:CE1	1:C:131:ILE:CB	2.60	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CE2	3:Z:127:LYS:CD	2.61	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.83
1:C:519:CYS:SG	1:C:520:ILE:HD12	2.17	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:725:PRO:HD2	1:C:777:ARG:HH22	1.42	0.83
2:Y:29:VAL:HG23	2:Y:30:ASP:H	1.41	0.83
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.83
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.83
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.83
1:C:366:ARG:NH2	1:C:368:ARG:NH2	2.25	0.83
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.43	0.83
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.83
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.83
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.83
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.09	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.83
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.83
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.83
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.83
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.09	0.83
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.09	0.83
1:C:509:PHE:HB3	1:C:750:PRO:O	1.78	0.83
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.83
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.83
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.83
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.83
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.83
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.83
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.83
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.83
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.83
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.83
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.09	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.83
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.83
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.83
1:C:499:GLU:HG3	1:C:710:ARG:HH12	1.41	0.83
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.83
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.83
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.83
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.09	0.83
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.83
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.58	0.83
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.83
1:C:174:ILE:HB	1:C:668:VAL:HG21	1.57	0.83
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.09	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.83
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.83
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.58	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
1:C:144:ARG:NH1	1:C:715:GLU:HG3	1.93	0.83
1:C:239:ASN:HD22	1:C:283:HIS:HE1	0.89	0.83
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
2:Y:116:MET:CE	3:Z:21:TRP:O	2.21	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.83
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.83
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.83
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.83
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.83
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.83
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.83
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.83
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.83
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.83
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.83
1:C:237:ASN:HB2	1:C:240:SER:OG	1.77	0.83
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.83
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.83
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.58	0.83
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.83
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.83
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.83
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.83
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.83
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.83
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.83
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.83
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.44	0.83
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.83
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.83
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.83
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.83
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.83
1:C:143:LYS:HB3	1:C:148:ILE:HD12	1.48	0.83
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.83
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.40	0.83
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.83
2:Y:93:PHE:HE2	3:Z:127:LYS:CE	1.52	0.83
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.83
1:C:578:PHE:CZ	1:C:589:TYR:HB2	2.12	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.83
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.83
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.09	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.83
1:C:266:LEU:CD2	1:C:649:HIS:NE2	2.40	0.83
1:C:528:GLY:O	1:C:532:ILE:CG1	2.25	0.83
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.83
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.83
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.83
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:801:LEU:HD12	3:Z:17:LEU:CD1	2.08	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.83
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.83
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.83
1:C:161:GLN:C	1:C:771:GLU:O	2.20	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.83
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.83
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.83
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
1:C:507:TRP:NE1	1:C:707:PHE:HE2	1.75	0.83
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.83
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.83
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.83
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.83
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.83
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.83
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
1:C:32:LYS:CE	1:C:47:GLU:CG	2.52	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.83
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
1:C:506:ALA:O	1:C:763:LYS:CA	2.26	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.83
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.83
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.83
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.83
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.83
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
1:C:723:LEU:CG	1:C:777:ARG:HE	1.77	0.83
1:C:798:TYR:CE2	1:C:802:GLN:HG3	2.13	0.83
1:C:802:GLN:O	1:C:806:ILE:HG23	1.76	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.83
1:C:499:GLU:CD	1:C:759:LYS:HD2	2.03	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.83
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.83
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.83
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:498:GLU:O	1:C:754:ARG:O	1.94	0.83
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.83
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.83
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.83
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.83
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.83
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.58	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.00	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.83
1:C:500:TYR:HE1	1:C:707:PHE:O	1.61	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:499:GLU:HG3	1:C:710:ARG:HH12	1.42	0.83
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.83
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
2:Y:43:ILE:HG12	2:Y:44:SER:N	1.90	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.83
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.83
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.83
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.83
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.83
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.83
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.83
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:801:LEU:HD11	3:Z:21:TRP:CD2	2.13	0.83
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:242:ARG:HH11	1:C:271:ARG:HD3	1.41	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.83
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.83
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.83
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:724:ALA:H	1:C:725:PRO:HD3	1.43	0.83
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.83
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:164:VAL:HG11	1:C:775:ASP:HA	1.60	0.83
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.83
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:494:ILE:CD1	1:C:755:LEU:CG	2.38	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.83
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.83
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.83
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.83
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.83
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.83
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.83
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.83
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.83
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.83
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.83
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.83
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.83
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:502:LYS:HE3	1:C:713:TYR:OH	1.79	0.83
1:C:502:LYS:HE2	1:C:759:LYS:H	1.40	0.83
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.83
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.83
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.83
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.83
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.83
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.39	0.83
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.60	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.58	0.83
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.83
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.58	0.83
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.83
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.83
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
1:C:256:LYS:HB3	3:Z:95:ARG:HH12	1.40	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.83
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.83
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.92	0.83
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.83
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.83
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.83
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.58	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.83
1:C:464:PHE:HE2	1:C:466:ILE:CG2	1.88	0.83
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.83
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.83
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.83
1:C:182:LYS:HZ1	1:C:463:GLY:N	1.76	0.83
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.83
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.83
2:Y:85:SER:HG	2:Y:88:THR:HG23	1.02	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.83
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.83
1:C:694:ASN:OD1	1:C:696:VAL:CG1	2.25	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.58	0.83
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.08	0.83
3:Z:82:THR:O	3:Z:86:TYR:CD1	2.30	0.83
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.83
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.83
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.83
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.83
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.83
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.83
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.83
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.83
2:Y:99:GLN:NE2	3:Z:123:ASP:OD2	2.11	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83
1:C:800:LYS:O	1:C:804:GLN:CB	2.27	0.83
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.83
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.83
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.83
1:C:799:LYS:O	1:C:802:GLN:N	2.10	0.83
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.83
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.83
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83
1:C:507:TRP:N	1:C:764:ALA:C	2.08	0.83
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83
1:C:506:ALA:N	1:C:709:SER:HB2	1.88	0.83
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.83
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.83
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.83
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.83
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.83
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.83
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.83
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.83
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.83
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.83
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.83
1:C:773:MET:CA	1:C:776:GLU:CB	2.37	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.83
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.83
3:Z:83:PHE:CZ	3:Z:87:MET:CE	2.60	0.83
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.83
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.83
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.83
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.83
1:C:499:GLU:CD	1:C:759:LYS:CD	2.51	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.39	0.83
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.83
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.40	0.83
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.83
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.83
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.44	0.83
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.83
1:C:799:LYS:O	1:C:804:GLN:N	2.12	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.83
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.83
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.83
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.83
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.83
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.83
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.83
1:C:437:TRP:CB	1:C:440:ARG:NH2	2.38	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.83
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.83
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.83
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.83
1:C:505:ILE:O	1:C:753:TYR:HB2	0.81	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.83
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.83
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.83
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.83
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.83
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.83
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:500:TYR:HB3	1:C:754:ARG:CB	2.09	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.83
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.83
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.83
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.83
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.83
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.83
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.83
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.83
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.83
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.83
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.83
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.83
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.83
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.83
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.83
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.83
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.83
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.83
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.83
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.83
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
1:C:505:ILE:HB	1:C:761:PHE:HD1	1.42	0.83
2:Y:100:GLU:CG	3:Z:127:LYS:CE	2.57	0.83
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.83
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.83
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:664:HIS:CG	1:C:711:LEU:HD21	2.13	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.83
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.83
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.83
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
1:C:503:GLU:HB3	1:C:710:ARG:HB3	1.60	0.83
1:C:826:TRP:CH2	2:Y:72:PHE:CD1	2.65	0.83
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.83
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.83
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.83
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.83
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.83
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:297:ASN:ND2	1:C:298:ASP:N	2.24	0.83
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.83
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.83
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.83
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.83
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.83
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.83
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.83
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
1:C:724:ALA:H	1:C:725:PRO:HD3	1.43	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.83
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.83
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.83
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.83
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.83
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.83
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.83
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.08	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.83
1:C:712:ILE:CG2	1:C:759:LYS:HE2	2.02	0.83
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.91	0.83
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83
1:C:723:LEU:CD2	1:C:777:ARG:HE	1.86	0.83
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.83
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.83
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.83
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.83
1:C:505:ILE:HG12	1:C:754:ARG:HG3	1.60	0.83
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.83
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.83
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.83
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.83
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.83
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.83
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.83
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.83
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.83
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.83
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.83
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.83
1:C:144:ARG:NH2	1:C:719:ARG:CD	2.25	0.83
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.83
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.83
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.83
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.83
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.83
1:C:505:ILE:HD12	1:C:753:TYR:HB2	0.83	0.83
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.83
1:C:503:GLU:H	1:C:756:GLY:HA3	1.42	0.83
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.83
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.83
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.83
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.83
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.83
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.83
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.83
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.83
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.83
1:C:800:LYS:HG3	1:C:804:GLN:CG	2.08	0.83
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.83
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.83
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.83
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.83
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.83
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.83
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.83
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.83
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.83
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.83
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.83
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.83
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.83
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.83
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.83
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.83
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.83
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.83
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.83
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.83
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.83
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.83
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.83
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.83
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.83
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:167:ARG:HG2	1:C:722:ILE:HD12	1.51	0.83
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.83
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.83
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.83
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.83
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.83
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.83
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.83
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.83
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.83
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.83
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.83
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.83
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.83
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.83
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.83
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.83
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.83
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.83
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.83
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.76	0.83
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.83
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.83
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.83
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.83
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.83
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.83
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.83
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.83
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.83
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.83
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.83
1:C:177:GLU:CG	1:C:672:ILE:HG21	2.03	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.83
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.83
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.83
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.60	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.83
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.83
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.83
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.83
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.83
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.84	0.83
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.83
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.83
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.83
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.83
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.83
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.60	0.83
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.83
1:C:506:ALA:CB	1:C:754:ARG:NH2	2.42	0.83
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.83
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.91	0.83
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.83
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.83
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.83
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.83
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.83
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.83
2:Y:100:GLU:HB3	3:Z:125:ILE:CA	2.07	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.83
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.83
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.60	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.83
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.83
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.60	0.83
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.83
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.83
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.83
1:C:86:GLU:OE2	1:C:150:PRO:HD3	1.73	0.83
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.83
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.83
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.83
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.83
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.83
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.83
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.83
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.83
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.83
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.83
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.60	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:505:ILE:CD1	1:C:753:TYR:C	2.51	0.83
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.83
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.83
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.83
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.83
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.83
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.83
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.83
1:C:124:ASN:ND2	1:C:673:PRO:HG3	1.91	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.83
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.83
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.83
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.83
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.83
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.83
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.83
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.83
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.83
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.83
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.83
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.83

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.83
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.83
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.83
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.83
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.83
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.83
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.83
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.83
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.83
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.60	0.83
1:C:285:PHE:CD1	1:C:356:LEU:HG	2.12	0.83
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.92	0.83
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.83
1:C:505:ILE:HA	1:C:767:LEU:HG	1.59	0.83
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.83
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.83
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.82
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.82
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.82
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.42	0.82
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.82
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.82
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.82
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.82
1:C:165:THR:O	1:C:722:ILE:CD1	2.27	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:251:PHE:HA	3:Z:93:PHE:CD1	2.12	0.82
1:C:257:ILE:CG1	3:Z:105:GLU:OE2	2.27	0.82
1:C:258:ALA:HA	3:Z:105:GLU:CB	2.09	0.82
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.82
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.82
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.82
1:C:801:LEU:CD1	3:Z:17:LEU:HD11	2.09	0.82
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.82
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.82
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.82
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.82
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.82
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.82
1:C:667:PHE:HE2	1:C:669:ARG:HB2	1.42	0.82
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.82
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.82
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.82
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.82
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.82
1:C:507:TRP:CZ3	1:C:707:PHE:CD1	2.66	0.82
1:C:724:ALA:H	1:C:725:PRO:HD3	1.43	0.82
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.82
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.82
1:C:505:ILE:HA	1:C:755:LEU:C	2.01	0.82
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.82
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.82
1:C:832:LYS:HZ3	2:Y:48:GLY:N	1.75	0.82
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.82
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.82
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.82
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.82
1:C:502:LYS:HG3	1:C:713:TYR:HH	1.00	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.82
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.82
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.82
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.82
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.82
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.82
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.82
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.82
1:C:505:ILE:N	1:C:754:ARG:O	2.11	0.82
1:C:801:LEU:HD12	3:Z:17:LEU:HD11	0.83	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.82
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.82
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.82
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.82
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.82
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.82
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.82
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:500:TYR:O	1:C:762:PHE:CG	2.25	0.82
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.82
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:696:VAL:HG23	1:C:697:LEU:N	1.88	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.74	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.82
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.82
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.82
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
1:C:258:ALA:HB1	3:Z:101:ILE:CG1	2.08	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:452:ARG:CD	3:Z:96:GLU:N	2.42	0.82
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.82
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.82
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
2:Y:108:TYR:HH	3:Z:124:GLU:HG2	1.40	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.82
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.82
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.82
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.82
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.82
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.82
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.82
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:358:MET:HE1	1:C:426:LEU:HB3	1.56	0.82
1:C:478:ASN:CG	1:C:582:HIS:HD1	1.85	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.44	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.82
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:297:ASN:ND2	1:C:298:ASP:N	2.25	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.82
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.82
1:C:799:LYS:CE	1:C:806:ILE:HD11	2.08	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.82
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.82
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.82
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.82
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.82
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.82
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.82
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.82
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.82
1:C:123:VAL:HA	1:C:671:ILE:HG13	1.58	0.82
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.82
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.82
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.82
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.82
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.82
2:Y:93:PHE:CG	2:Y:141:TYR:CG	2.66	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.82
2:Y:35:VAL:HG23	2:Y:67:LEU:HD12	1.58	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
1:C:144:ARG:NH1	1:C:719:ARG:HD3	1.94	0.82
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.82
1:C:165:THR:O	1:C:715:GLU:CD	2.22	0.82
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
1:C:796:LYS:CD	3:Z:128:LEU:HD13	2.07	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.82
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.82
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82
1:C:449:LYS:O	3:Z:100:PHE:CA	2.26	0.82
1:C:494:ILE:C	1:C:710:ARG:HH12	1.79	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.82
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.82
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.82
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.82
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.82
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.82
1:C:502:LYS:H	1:C:756:GLY:HA3	1.44	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.82
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.82
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.82
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.82
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.82
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.82
1:C:800:LYS:HA	1:C:803:ASP:CG	2.04	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.85	0.82
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.82
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.82
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.82
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.82
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:166:ASP:CG	1:C:719:ARG:NH1	2.35	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.82
1:C:725:PRO:HD3	1:C:777:ARG:NH2	1.93	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.82
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.82
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.82
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.82
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.95	0.82
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.82
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.82
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.82
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:711:LEU:CD2	1:C:719:ARG:NH2	2.40	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
2:Y:90:ARG:HA	2:Y:141:TYR:HE2	1.41	0.82
1:C:505:ILE:HG13	1:C:753:TYR:C	1.95	0.82
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.82
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.82
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.82
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.82
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.82
3:Z:5:GLN:CA	3:Z:8:ILE:HD13	2.01	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.95	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:798:TYR:O	1:C:802:GLN:N	2.13	0.82
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG1	2.61	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.82
1:C:724:ALA:H	1:C:725:PRO:HD3	1.43	0.82
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.82
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.82
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.82
1:C:507:TRP:CB	1:C:762:PHE:O	2.27	0.82
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.82
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.82
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.82
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.82
2:Y:149:LYS:HG2	2:Y:150:GLY:H	1.40	0.82
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.82
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.82
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
2:Y:110:LYS:O	2:Y:114:GLU:HG2	1.77	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.82
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.82
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.78	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.82
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.82
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.82
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.82
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.82
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.82
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.82
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.82
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.82
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
1:C:503:GLU:O	1:C:713:TYR:OH	1.95	0.82
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.82
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.78	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.82
1:C:5:PHE:HZ	1:C:780:LYS:HG3	1.44	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.78	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.78	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.82
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.82
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:286:TYR:OH	1:C:312:ILE:HD12	1.76	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
1:C:145:LYS:HB2	1:C:768:GLY:C	1.98	0.82
1:C:249:ILE:HG13	1:C:249:ILE:O	1.77	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.78	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.82
1:C:85:LEU:C	1:C:85:LEU:HD22	2.03	0.82
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.80	0.82
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.82
1:C:449:LYS:O	3:Z:101:ILE:N	2.06	0.82
1:C:832:LYS:NZ	2:Y:48:GLY:N	2.25	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.43	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:472:PHE:CB	1:C:597:LYS:HD3	2.08	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.82
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.82
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.82
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
2:Y:98:GLU:HG2	2:Y:99:GLN:N	1.85	0.82
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.82
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.82
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.79	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:253:PRO:CB	3:Z:105:GLU:CG	2.14	0.82
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.82
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.82
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.82
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.82
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.82
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:5:PHE:C	3:Z:47:GLU:HG3	1.94	0.82
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.82
1:C:254:THR:OG1	3:Z:95:ARG:NH2	2.12	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.82
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.60	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.82
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.82
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.82
1:C:144:ARG:N	1:C:774:ARG:HB3	1.94	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.82
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.82
1:C:724:ALA:H	1:C:725:PRO:HD3	1.43	0.82
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.82
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.41	0.82
1:C:582:HIS:HD2	1:C:584:ALA:N	1.76	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
1:C:507:TRP:C	1:C:763:LYS:CB	2.18	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.82
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.82
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.44	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.82
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.82
1:C:76:SER:OG	1:C:93:TYR:CE1	2.22	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.87	0.82
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.82
1:C:505:ILE:HD13	1:C:766:VAL:CG2	1.87	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.82
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.78	0.82
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.82
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.82
1:C:507:TRP:HB2	1:C:707:PHE:CD2	2.15	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.08	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:499:GLU:HB3	1:C:761:PHE:N	1.94	0.82
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.82
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.82
1:C:723:LEU:HA	1:C:777:ARG:HD3	1.61	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.82
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.82
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.82
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
1:C:146:THR:CA	1:C:771:GLU:N	2.43	0.82
1:C:156:ALA:CB	1:C:192:TYR:CD2	2.61	0.82
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.82
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.82
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.82
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.82
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
1:C:275:GLN:HB2	1:C:314:GLN:CG	2.08	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.40	0.82
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.05	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.82
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.82
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.82
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
2:Y:108:TYR:CZ	3:Z:120:GLU:CB	2.63	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.82
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
1:C:801:LEU:CD2	3:Z:21:TRP:CZ3	2.62	0.82
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.82
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.82
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.82
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.82
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.82
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.82
1:C:124:ASN:HD21	1:C:673:PRO:HD3	1.22	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
1:C:380:ALA:C	1:C:383:VAL:HG22	2.03	0.82
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.82
1:C:717:LYS:HZ2	1:C:738:VAL:HB	1.44	0.82
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.82
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:504:GLY:O	1:C:755:LEU:HB3	1.80	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.82
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.82
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.82
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.82
1:C:508:GLU:C	1:C:763:LYS:CB	2.50	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.82
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.82
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.82
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.82
1:C:437:TRP:CH2	1:C:620:GLU:HB3	2.12	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.05	0.82
1:C:800:LYS:C	1:C:803:ASP:OD1	2.23	0.82
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.82
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.82
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.82
1:C:119:PHE:CD2	1:C:667:PHE:N	2.43	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.82
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.82
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.82
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:800:LYS:O	1:C:801:LEU:HD23	1.80	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:725:PRO:CG	3:Z:85:ASP:OD1	2.26	0.82
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.82
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.82
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.82
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.82
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.82
1:C:505:ILE:HG13	1:C:762:PHE:CA	2.10	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.82
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.82
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:HE2	2:Y:98:GLU:O	1.79	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.62	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.82
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.82
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.82
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.82
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.82
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.82
1:C:221:GLN:HB2	1:C:337:ILE:HD11	1.59	0.82
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.82
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.82
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.82
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.82
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.78	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.82
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.82
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.82
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.82
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.82
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.82
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.82
1:C:505:ILE:CG1	1:C:761:PHE:HB2	2.10	0.82
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.82
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.82
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:800:LYS:HG3	1:C:804:GLN:CG	2.09	0.82
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.82
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.82
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
1:C:796:LYS:NZ	3:Z:128:LEU:HD22	1.93	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.82
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.82
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.82
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.82
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.82
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.82
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.82
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.82
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.82
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:802:GLN:HE22	3:Z:17:LEU:HB2	1.44	0.82
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.82
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.82
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.82
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.82
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.82
1:C:724:ALA:H	1:C:725:PRO:HD3	1.43	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.82
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.82
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.82
1:C:507:TRP:C	1:C:754:ARG:NH1	2.37	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.82
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.82
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.82
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
2:Y:99:GLN:HB2	3:Z:127:LYS:CG	2.04	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.82
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.82
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.82
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.82
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.82
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.82
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:507:TRP:HB2	1:C:763:LYS:N	1.95	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.82
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.82
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.82
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.82
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.05	0.82
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.82
1:C:555:HIS:HD2	1:C:559:ASN:HD22	1.23	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.82
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.82
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.80	0.82
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.82
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.82
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.80	0.82
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.82
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.43	0.82
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.82
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.82
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.80	0.82
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.82
1:C:505:ILE:HG23	1:C:761:PHE:CA	2.06	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.82
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.82
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.45	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.82
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.82
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.82
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	1.94	0.82
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.80	0.82
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.82
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.82
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.82
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.80	0.82
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.82
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.80	0.82
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.82
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.82
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.42	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.40	0.82
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.05	0.82
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.82
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.82
1:C:773:MET:HA	1:C:776:GLU:CG	2.10	0.82
2:Y:85:SER:HG	2:Y:88:THR:HG23	1.02	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.82
1:C:506:ALA:O	1:C:763:LYS:N	2.12	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.82
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.82
1:C:800:LYS:O	1:C:801:LEU:HA	1.79	0.82
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.44	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:724:ALA:H	1:C:725:PRO:HD3	1.42	0.82
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.82
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.82
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.82
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82
1:C:564:LYS:CG	1:C:565:PRO:HD2	2.08	0.82
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.82
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.82
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.82
1:C:503:GLU:HB3	1:C:756:GLY:HA3	1.62	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.82
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.82
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.82
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.82
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.82
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
1:C:801:LEU:HD13	3:Z:21:TRP:HE3	1.39	0.82
2:Y:138:LYS:HG2	3:Z:123:ASP:HB2	1.53	0.82
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.82
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.82
1:C:506:ALA:HB1	1:C:766:VAL:CG1	1.30	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.82
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.82
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.82
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.82
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.82
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.82
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.82
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.82
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.82
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.82
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.82
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.82
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.82
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.82
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.82
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.82
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.82
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.82
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.82
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.82
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.82
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.82
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.82
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.82
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.82
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.82
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.82
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.82
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.82
3:Z:100:PHE:C	3:Z:100:PHE:HD1	1.72	0.82
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.82
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.82
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.82
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.82
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.82
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.82
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.82
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.82
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.82
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.82
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.82
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.82
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.82
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.82
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
1:C:802:GLN:NE2	3:Z:17:LEU:HB2	1.94	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.82
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.82
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.82
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.82
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.82
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.82
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.82
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.82
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.82
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.82
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.82
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.82
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.82
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.82
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.82
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.82
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.82
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.82
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.82
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.82
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.82
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.82
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.82
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.82
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.82
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.82
1:C:502:LYS:HE2	1:C:713:TYR:HE1	1.45	0.82
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.82
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.82
1:C:800:LYS:C	1:C:801:LEU:HA	2.05	0.82
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.82
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.82
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.82
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.82
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.82
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.82
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.82
1:C:314:GLN:HG2	1:C:315:GLY:N	1.84	0.82
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.82
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.82
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.82
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.82
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:502:LYS:O	1:C:756:GLY:O	1.83	0.82
1:C:507:TRP:HZ3	1:C:706:GLY:C	1.86	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.82
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.82
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.82
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.82
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.82
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.82
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:36:VAL:HG23	3:Z:37:CYS:N	1.90	0.82
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.82
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.82
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.82
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.82
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.82
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.82
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:505:ILE:H	1:C:761:PHE:H	0.84	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.82
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.82
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.82
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.82
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.82
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.82
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.82
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.82
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.82
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.82
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.82
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.82
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.82
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.82
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.82
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.82
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.82
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.82

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.82
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.82
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.82
1:C:496:GLU:OE2	1:C:708:PRO:HB3	1.80	0.82
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.82
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.82
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.82
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.82
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.82
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.82
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.82
1:C:800:LYS:CA	1:C:803:ASP:OD1	2.28	0.82
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.82
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.81
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.81
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.81
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.81
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.81
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.81
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.81
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.81
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.37	0.81
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.81
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.81
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.81
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.81
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.81
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.37	0.81
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.81
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.37	0.81
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.81
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.81
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.81
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.81
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.81
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.81
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.81
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.81
1:C:382:LYS:O	1:C:386:LEU:CD1	2.23	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.81
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.81
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.81
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.81
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.37	0.81
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.81
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.81
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.81
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.81
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.81
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.37	0.81
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.81
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.81
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.95	0.81
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.81
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.81
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.81
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.81
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.81
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.81
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.37	0.81
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.81
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.81
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.81
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.95	0.81
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.81
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.81
1:C:285:PHE:CE1	1:C:356:LEU:CG	2.57	0.81
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
1:C:684:ALA:C	1:C:687:VAL:HG22	2.03	0.81
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.81
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.81
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.81
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.81
1:C:507:TRP:CA	1:C:763:LYS:HB3	1.72	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
1:C:9:ASP:OD1	3:Z:114:GLY:O	1.96	0.81
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.81
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.81
1:C:144:ARG:HH12	1:C:719:ARG:CZ	1.92	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.81	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.81
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.81
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.81
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.81
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.81
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.81
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.81
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.08	0.81
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.81
1:C:472:PHE:HB3	1:C:597:LYS:CD	2.08	0.81
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.81
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.81
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:587:VAL:HG21	1:C:589:TYR:OH	1.78	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.81
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.81
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.81
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.81
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:505:ILE:HG21	1:C:761:PHE:HB2	1.59	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.81
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.81
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.81
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.41	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.81
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:494:ILE:HD12	1:C:755:LEU:HG	1.61	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:508:GLU:N	1:C:763:LYS:HB2	1.95	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.81
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.81
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.62	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.81
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.81
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.81
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.81
1:C:595:LEU:C	1:C:595:LEU:HD22	2.04	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.81
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.81
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.81
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:738:VAL:O	1:C:742:ILE:HG23	1.78	0.81
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.92	0.81
1:C:799:LYS:O	1:C:802:GLN:N	2.12	0.81
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.81
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.81
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.81
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.81
1:C:175:THR:HG22	1:C:484:LEU:HD11	1.59	0.81
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.81
1:C:503:GLU:CB	1:C:761:PHE:CE1	2.63	0.81
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.81
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.81
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81
1:C:144:ARG:HH12	1:C:715:GLU:CB	1.92	0.81
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.81
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.42	0.81
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.81
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.81
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
1:C:282:TYR:HE2	1:C:285:PHE:H	1.28	0.81
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.81
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.81
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.81
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.81
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.81
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.60	0.81
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.81
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.81
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81
1:C:242:ARG:HH22	1:C:282:TYR:HB3	1.42	0.81
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.81
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.81
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.81
1:C:500:TYR:CE1	1:C:707:PHE:O	2.33	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.95	0.81
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.81
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.81
1:C:503:GLU:HB2	1:C:760:VAL:C	2.03	0.81
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.81
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.81
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.81
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.81
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.59	0.81
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:234:THR:HG22	1:C:271:ARG:NH2	1.93	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.81
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.81
1:C:495:LEU:O	1:C:761:PHE:CZ	2.32	0.81
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.81
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.81
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.81
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.81
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.81
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.81
1:C:577:HIS:CE1	1:C:592:THR:HG23	2.14	0.81
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.81
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.92	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.81
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.81
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.81
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.81
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.81
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.81
1:C:800:LYS:NZ	1:C:804:GLN:CG	2.43	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.81
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.81
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.81
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.81
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.81
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.81
1:C:248:ARG:HB2	3:Z:95:ARG:CD	2.09	0.81
1:C:257:ILE:CD1	3:Z:108:HIS:CE1	2.63	0.81
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:790:ARG:O	1:C:794:ILE:CG2	2.25	0.81
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.81
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.81
1:C:497:GLN:NE2	1:C:763:LYS:H	1.78	0.81
1:C:501:LYS:HD3	1:C:743:LEU:HD11	0.81	0.81
1:C:504:GLY:C	1:C:767:LEU:HD12	1.74	0.81
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.81
1:C:805:ARG:CD	3:Z:21:TRP:CA	2.58	0.81
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.81
1:C:504:GLY:H	1:C:760:VAL:N	1.78	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.81
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.81
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.81
1:C:811:ILE:HD11	2:Y:113:LEU:HD21	1.59	0.81
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.81
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.81
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.81
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.81
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.81
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.81
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.81
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.81
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.81
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.81
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.81
1:C:505:ILE:HA	1:C:755:LEU:H	1.42	0.81
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.81
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.81
1:C:505:ILE:HA	1:C:762:PHE:CE2	2.02	0.81
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.62	0.81
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.81
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.81
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.81
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.81
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.81
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.81
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.81
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.81
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.81
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.81
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.81
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.81
1:C:503:GLU:HG2	1:C:760:VAL:HG23	0.83	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.81
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.81
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.81
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.81
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.81
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.81
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.81
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.42	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.81
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.81
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.81
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.81
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.60	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.81
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.81
2:Y:104:LEU:C	3:Z:120:GLU:HG3	2.05	0.81
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.60	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.81
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.81
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.81
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.81
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.81
1:C:161:GLN:NE2	1:C:719:ARG:CG	2.43	0.81
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.81
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.81
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.46	0.81
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.45	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.81
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.03	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.81
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.46	0.81
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.60	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.81
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
1:C:805:ARG:HA	3:Z:21:TRP:HH2	1.02	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.10	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.46	0.81
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.81
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.81
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.81
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.81
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.81
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.81
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.81
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.81
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.45	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.81
1:C:254:THR:O	3:Z:94:ASP:O	1.97	0.81
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:HD12	1:C:523:ILE:O	1.81	0.81
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:437:TRP:HE3	1:C:440:ARG:HH22	1.24	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.81
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.81
2:Y:97:ASP:CG	3:Z:128:LEU:N	2.29	0.81
2:Y:102:LYS:HE2	3:Z:128:LEU:O	1.79	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.81
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.60	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.81
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:507:TRP:HZ3	1:C:706:GLY:C	1.84	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81
1:C:802:GLN:HE21	3:Z:17:LEU:HD12	1.46	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.81
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.81
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.81
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.81
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.81
1:C:165:THR:O	1:C:722:ILE:HD11	1.78	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.81
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.81
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.81
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.81
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.81
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.81
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.81
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.81
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.81
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.81
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.81
1:C:500:TYR:OH	1:C:707:PHE:C	2.24	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.81
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.81
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.46	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.15	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.95	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.81
1:C:500:TYR:HD1	1:C:761:PHE:HB3	1.45	0.81
1:C:503:GLU:O	1:C:759:LYS:C	2.21	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:144:ARG:CB	1:C:720:TYR:CZ	2.63	0.81
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.81
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.81
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.81
1:C:352:THR:CG2	1:C:434:MET:HE1	2.09	0.81
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.81
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.81
3:Z:111:THR:N	3:Z:117:LEU:HD11	1.93	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:505:ILE:HD12	1:C:754:ARG:NE	1.85	0.81
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.81
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.81
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:352:THR:CG2	1:C:434:MET:HE1	2.10	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.81
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.81
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.81
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.87	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.81
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.85	0.81
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.81
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.81
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.81
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.81
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.81
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.81
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.81
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.81
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.81
1:C:507:TRP:HZ3	1:C:707:PHE:N	1.60	0.81
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.81
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.81
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.81
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.81
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.81
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.81
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.81
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.81
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.81
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.81
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.81
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.05	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.81
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.81
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:772:GLU:O	1:C:776:GLU:HG2	1.58	0.81
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.81
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.81
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.81
1:C:595:LEU:HD21	1:C:596:GLU:HG2	1.59	0.81
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.81	0.81
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.81
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.81
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.46	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.81
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.81
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.81
1:C:709:SER:C	1:C:710:ARG:CA	2.52	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.46	0.81
2:Y:97:ASP:O	3:Z:124:GLU:CB	2.28	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:101:THR:HG23	3:Z:124:GLU:N	1.72	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.81
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.81
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.81
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
2:Y:86:GLU:C	2:Y:89:ILE:HD13	2.04	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.46	0.81
1:C:505:ILE:C	1:C:754:ARG:HH21	1.54	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.81
1:C:505:ILE:HG21	1:C:761:PHE:HB3	1.60	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.81
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.81
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.81
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.05	0.81
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.81
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.15	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.81
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.81
2:Y:93:PHE:CD1	2:Y:141:TYR:CG	2.67	0.81
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.81
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.81
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.81
1:C:190:ILE:HG13	1:C:191:MET:H	1.46	0.81
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.81
1:C:219:ILE:CG1	1:C:220:ILE:H	1.88	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.81
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.81
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.81
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.81
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.81
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.81
1:C:219:ILE:CG1	1:C:220:ILE:H	1.88	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.81
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.90	0.81
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.81
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81
1:C:190:ILE:HG13	1:C:191:MET:H	1.46	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.81
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.15	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.81
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.81
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.81
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.81
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.64	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.81
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.15	0.81
2:Y:99:GLN:CA	3:Z:124:GLU:HB2	2.08	0.81
2:Y:116:MET:HE1	3:Z:21:TRP:HE1	1.46	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.81
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.15	0.81
2:Y:108:TYR:HE1	3:Z:118:SER:CB	1.92	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.15	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.81	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.15	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.81
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.15	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.60	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.69	0.81
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.81
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.81
1:C:297:ASN:HD22	1:C:298:ASP:H	1.22	0.81
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.81
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.95	0.81
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.81
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.81
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.81	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.81
1:C:32:LYS:CE	1:C:47:GLU:HG2	2.08	0.81
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.81
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
1:C:144:ARG:HB3	1:C:774:ARG:CB	2.09	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.15	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.81
1:C:366:ARG:NH1	1:C:368:ARG:CZ	2.42	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.15	0.81
1:C:507:TRP:CZ3	1:C:706:GLY:O	2.31	0.81
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.81
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.81
1:C:238:ASN:ND2	1:C:322:ILE:CG1	2.41	0.81
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.81
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.27	0.81
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.81
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.81
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.81
1:C:799:LYS:CB	1:C:803:ASP:CA	2.57	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.81
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.81
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.81
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.81
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.81
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.81
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.81
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.81
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.81
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.81
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.81
1:C:219:ILE:CG1	1:C:220:ILE:H	1.88	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.81
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.81
1:C:724:ALA:H	1:C:725:PRO:HD3	1.43	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.81
1:C:725:PRO:HG3	3:Z:85:ASP:OD1	1.79	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.81
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.81
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.62	0.81
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.81
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.81
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.81
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.81
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.81
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.81
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.81
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.81
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.81
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.81
1:C:503:GLU:OE1	1:C:759:LYS:HG2	1.79	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.81
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.81
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.81
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.81
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.81
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.81
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.81
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.81
1:C:505:ILE:HD11	1:C:754:ARG:HE	1.45	0.81
2:Y:99:GLN:NE2	3:Z:127:LYS:O	2.12	0.81
3:Z:119:ASP:O	3:Z:122:VAL:CG1	2.25	0.81
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.81
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.81
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.81
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.81
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.81
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.81
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.81
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.81
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.81
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.15	0.81
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.81
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:800:LYS:C	1:C:803:ASP:N	2.38	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.81
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.81
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.64	0.81
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.81
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.81
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.81
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.81
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.43	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.81
1:C:543:ASP:O	1:C:547:PHE:CD2	2.32	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.81	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.81
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:382:LYS:O	1:C:386:LEU:CD1	2.23	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.81
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.81
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.81
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.81
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.81	0.81
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.81
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.81
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.06	0.81
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.81
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.81
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.81
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.81
1:C:501:LYS:CE	1:C:743:LEU:HG	2.02	0.81
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.81
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.81
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.81
2:Y:85:SER:HG	2:Y:88:THR:HG23	1.02	0.81
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.81
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.81
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
3:Z:110:LEU:C	3:Z:117:LEU:HD12	2.04	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.81
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.81
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:498:GLU:CB	1:C:756:GLY:CA	2.55	0.81
1:C:498:GLU:OE2	1:C:757:THR:HG23	1.79	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
1:C:723:LEU:HD23	1:C:777:ARG:CD	2.11	0.81
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.81
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.44	0.81
1:C:139:LYS:HG2	3:Z:95:ARG:NH1	1.94	0.81
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.81
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.81
1:C:774:ARG:HG2	1:C:778:LEU:CG	2.10	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:800:LYS:C	1:C:803:ASP:N	2.39	0.81
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.69	0.81
2:Y:108:TYR:HH	3:Z:120:GLU:CD	1.87	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.81
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.81
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
2:Y:89:ILE:CG1	2:Y:145:THR:HG23	2.09	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:800:LYS:CE	1:C:804:GLN:HG2	2.09	0.81
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.81
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.81
1:C:800:LYS:O	1:C:804:GLN:HB3	1.79	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:500:TYR:CD2	1:C:761:PHE:CB	2.59	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.81
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:41:GLU:O	1:C:41:GLU:OE1	1.97	0.81
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.81
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.81
1:C:285:PHE:CZ	1:C:311:PHE:CE1	2.67	0.81
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.81
1:C:507:TRP:CZ3	1:C:707:PHE:HE1	1.83	0.81
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.81
1:C:507:TRP:CG	1:C:763:LYS:CA	2.64	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.81
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.81
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.81
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.81
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.81
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.81
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.81
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.81
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.81
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.81
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.81
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.81
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.81
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.81
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.81
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.81
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.81
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.81
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.81
1:C:505:ILE:CB	1:C:763:LYS:H	1.93	0.81
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
1:C:832:LYS:HE3	2:Y:47:LEU:CD1	2.09	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.81
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.05	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.81
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.81
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.81
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.81
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.81
1:C:801:LEU:CD1	3:Z:17:LEU:CG	2.40	0.81
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.81
1:C:800:LYS:O	1:C:802:GLN:C	2.24	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81
1:C:785:PHE:HA	3:Z:86:TYR:HE2	1.42	0.81
1:C:802:GLN:HE22	3:Z:17:LEU:HB2	1.44	0.81
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.81
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.81
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.46	0.81
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.81
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
1:C:723:LEU:CD2	1:C:777:ARG:NE	2.41	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.81
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.81
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.42	0.81
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.81
1:C:133:THR:O	1:C:136:VAL:HG22	1.79	0.81
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.02	0.81
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.81
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
2:Y:104:LEU:HD23	3:Z:124:GLU:OE1	1.79	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
1:C:604:GLU:O	1:C:607:VAL:CG2	2.28	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.81
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.81
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.81
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.81
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.64	0.81
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.81
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
1:C:801:LEU:HD12	3:Z:17:LEU:HD21	1.63	0.81
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.64	0.81
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.81
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.81
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.81
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.81
1:C:501:LYS:CE	1:C:743:LEU:CD2	2.51	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.81
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.81
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.81
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.81
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.64	0.81
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.81
1:C:129:LEU:HD22	1:C:129:LEU:C	2.06	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.81
1:C:190:ILE:HG13	1:C:191:MET:H	1.46	0.81
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.41	0.81
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.81
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.81
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.81
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.81
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.81
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.81
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.81
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.81
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.81
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.81
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.81
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.81
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.81
1:C:178:SER:HB2	1:C:236:ARG:HD3	1.59	0.81
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.81
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.81	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.81
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.81
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.62	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.81
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.81
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.11	0.81
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.15	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.81
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.81
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.81
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.81
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.81
1:C:134:ASP:O	3:Z:108:HIS:CE1	2.33	0.81
1:C:138:ALA:CB	3:Z:108:HIS:CD2	2.61	0.81
1:C:272:VAL:HG23	1:C:273:THR:HG23	1.61	0.81
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.81
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.81
1:C:800:LYS:CA	1:C:804:GLN:H	1.93	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:505:ILE:HB	1:C:761:PHE:CB	2.07	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
1:C:500:TYR:HA	1:C:761:PHE:CD2	2.07	0.81
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.81
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.81
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.11	0.81
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.81
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.99	0.81
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.81
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.81
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.81
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.81
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.81
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.81
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.81
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.81
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.81
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.11	0.81
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.81
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.81
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.81
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.81
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.81
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.81
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.81
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.81
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.81
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.80
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.80
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.80
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.80
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.80
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.06	0.80
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.80
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.80
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.80
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.80
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.06	0.80
1:C:502:LYS:HE3	1:C:713:TYR:CE2	2.16	0.80
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.80
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.06	0.80
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.80
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.80
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.80
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.80
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.80
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.80
1:C:772:GLU:C	1:C:776:GLU:CG	2.54	0.80
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.80
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.45	0.80
1:C:147:GLU:CD	1:C:775:ASP:OD2	2.24	0.80
1:C:282:TYR:CE2	1:C:284:ILE:CB	2.62	0.80
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.80
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.80
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.80
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.06	0.80
1:C:507:TRP:O	1:C:751:ALA:CA	2.29	0.80
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.80
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.80
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.80
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.06	0.80
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.80
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.80
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.80
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.80
1:C:496:GLU:CA	1:C:761:PHE:CE2	2.64	0.80
1:C:804:GLN:C	3:Z:21:TRP:CZ3	2.58	0.80
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.80
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.06	0.80
1:C:505:ILE:O	1:C:755:LEU:CB	2.29	0.80
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.80
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.80
1:C:785:PHE:CB	3:Z:86:TYR:CE2	2.62	0.80
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.80
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.80
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.80
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.11	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.15	0.80
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.11	0.80
1:C:811:ILE:CD1	2:Y:113:LEU:HD21	2.09	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.80
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.80
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.80
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.80
1:C:144:ARG:HG3	1:C:771:GLU:N	1.95	0.80
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.80
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.43	0.80
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.80
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.80
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.80
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.95	0.80
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
3:Z:18:PHE:CE1	3:Z:32:LYS:CB	2.61	0.80
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.80
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.80
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.80
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.80
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.80
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.80
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.80
2:Y:138:LYS:CE	3:Z:123:ASP:HA	1.98	0.80
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.80
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.80
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.80
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.80
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.80
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.80
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.80
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.80
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:190:ILE:HG13	1:C:191:MET:H	1.46	0.80
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.80
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.80
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.80
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.80
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.80
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.80
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.80
1:C:504:GLY:N	1:C:760:VAL:N	2.29	0.80
1:C:506:ALA:N	1:C:762:PHE:H	1.78	0.80
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.80
1:C:190:ILE:HG13	1:C:191:MET:H	1.46	0.80
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.80
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.80
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.80
1:C:190:ILE:HG13	1:C:191:MET:H	1.46	0.80
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
1:C:802:GLN:HE22	3:Z:17:LEU:HB2	1.46	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.80
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.64	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.80
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.80
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.80
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.80
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.80
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.80
1:C:774:ARG:C	1:C:776:GLU:N	2.39	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.64	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.80
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.80
1:C:498:GLU:O	1:C:755:LEU:O	1.99	0.80
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.80
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.64	0.80
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.80
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.80
1:C:493:PHE:HD1	1:C:512:PHE:CE1	1.99	0.80
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.80
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.80
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.80
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.80
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.80
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.80
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.80
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.80
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.78	0.80
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.44	0.80
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.80
1:C:500:TYR:CD1	1:C:707:PHE:HB2	1.92	0.80
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.80
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.44	0.80
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.80
1:C:506:ALA:HB3	1:C:762:PHE:CA	2.11	0.80
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.80
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.80
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.80
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.80
1:C:493:PHE:HD1	1:C:512:PHE:CE1	1.99	0.80
3:Z:42:ILE:CD1	3:Z:44:PRO:HD2	2.04	0.80
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.80
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.80
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.80
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.80
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.80
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.80
1:C:493:PHE:HD1	1:C:512:PHE:CE1	1.99	0.80
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.44	0.80
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.80
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.80
1:C:271:ARG:HH21	1:C:279:GLU:CG	1.92	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.15	0.80
1:C:799:LYS:C	1:C:802:GLN:H	1.89	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.80
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.95	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.80
1:C:143:LYS:CE	1:C:775:ASP:O	2.26	0.80
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.80
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.80
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.80
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.80
1:C:493:PHE:HD1	1:C:512:PHE:CE1	1.99	0.80
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.44	0.80
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.80
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.80
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.80
1:C:800:LYS:C	1:C:801:LEU:HA	2.06	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
1:C:190:ILE:HG13	1:C:191:MET:H	1.46	0.80
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.80
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.80
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
1:C:595:LEU:C	1:C:595:LEU:HD22	2.05	0.80
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.80
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:805:ARG:HD2	3:Z:21:TRP:CA	2.10	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.80
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.80
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
1:C:479:TYR:CD1	1:C:523:ILE:CG2	2.58	0.80
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.80
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.05	0.80
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.64	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:505:ILE:CG1	1:C:754:ARG:CB	2.41	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:167:ARG:HH21	3:Z:92:THR:HA	1.44	0.80
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.10	0.80
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.80
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.80
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.80
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.80
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
1:C:498:GLU:CA	1:C:755:LEU:N	2.44	0.80
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.80
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.80
1:C:126:TYR:O	1:C:679:PRO:HB3	1.79	0.80
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.80
1:C:523:ILE:HD12	1:C:523:ILE:O	1.81	0.80
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.80
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.80
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.80
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.23	0.80
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.80
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.80
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:351:CYS:SG	1:C:434:MET:SD	2.78	0.80
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
1:C:507:TRP:HA	1:C:763:LYS:CB	2.08	0.80
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.80
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.80
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.80
1:C:684:ALA:O	1:C:687:VAL:CG2	2.27	0.80
1:C:801:LEU:HD21	3:Z:21:TRP:HZ3	1.47	0.80
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.80
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.80
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.80
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.80
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.80
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.64	0.80
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.80
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.39	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.80
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.80
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.80
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.80
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.80
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.80
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.80
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.80
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.80
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.04	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:280:ARG:NH2	1:C:283:HIS:HA	1.95	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.80
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.80
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.80
1:C:703:CYS:O	1:C:708:PRO:HG3	1.80	0.80
1:C:144:ARG:NE	1:C:147:GLU:CG	2.44	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.80
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
1:C:498:GLU:C	1:C:755:LEU:C	2.48	0.80
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.81	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.80
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.80
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.80
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
3:Z:42:ILE:HD13	3:Z:44:PRO:CG	2.01	0.80
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.80
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.80
1:C:801:LEU:HD13	3:Z:17:LEU:HD21	1.61	0.80
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.06	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.64	0.80
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:193:LEU:CD1	1:C:249:ILE:HD13	2.08	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.80
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
1:C:694:ASN:CG	1:C:696:VAL:HG13	2.05	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
1:C:613:SER:OG	1:C:618:VAL:CG2	2.28	0.80
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.93	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.80
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.80
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.80
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.80
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.80
1:C:725:PRO:HB3	3:Z:88:GLU:CD	2.06	0.80
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.80
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.80
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.80
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.80
2:Y:106:ILE:CD1	2:Y:109:ILE:HD11	2.09	0.80
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.80
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.80
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.17	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.80
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.80
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.80
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.80
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.80
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.80
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.80
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.93	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.80
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.64	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.80
1:C:799:LYS:CG	1:C:803:ASP:CB	2.48	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.80
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.80
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.81	0.80
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.80
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.80
1:C:728:ILE:HG12	3:Z:84:ALA:CB	2.11	0.80
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.80
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.80
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.80
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.80
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.64	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.80
1:C:272:VAL:CG2	1:C:428:LYS:HG2	2.09	0.80
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.80
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.80
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.80
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:507:TRP:CB	1:C:754:ARG:CD	2.53	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.80
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.80
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.80
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.80
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.17	0.80
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.80
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.80
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.62	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.80
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.11	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.80
2:Y:108:TYR:OH	3:Z:120:GLU:CB	2.30	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.80
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
1:C:249:ILE:CG1	1:C:456:ILE:HG22	2.06	0.80
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.80
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.23	0.80
1:C:501:LYS:N	1:C:753:TYR:O	2.15	0.80
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.80
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.80
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.80
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.80
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.80
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.23	0.80
1:C:494:ILE:C	1:C:754:ARG:HD2	2.05	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.80
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.23	0.80
1:C:498:GLU:O	1:C:756:GLY:HA3	1.79	0.80
1:C:509:PHE:O	1:C:751:ALA:CB	2.30	0.80
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
1:C:490:HIS:HD2	1:C:495:LEU:HG	1.40	0.80
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.80
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
2:Y:99:GLN:OE1	3:Z:127:LYS:HE2	1.81	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.23	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.23	0.80
1:C:728:ILE:O	1:C:728:ILE:HG13	1.78	0.80
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.80
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.23	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.80
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.11	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.80
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.80
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.80
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.80
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.81	0.80
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.80
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:503:GLU:CD	1:C:759:LYS:N	2.40	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.80
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:799:LYS:CG	1:C:803:ASP:C	2.22	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.80
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.80
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.80
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.80
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.80
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.80
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.80
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.80
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.80
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:780:LYS:HG3	3:Z:45:ARG:NH1	1.94	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.80
1:C:25:THR:HG22	1:C:26:ALA:N	1.93	0.80
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.80
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.80
1:C:488:PHE:CE2	1:C:492:MET:CE	2.63	0.80
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.80
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.80
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.80
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.80
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.46	0.80
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.80
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
3:Z:131:LEU:HD11	3:Z:144:PHE:CG	2.15	0.80
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.80
1:C:801:LEU:HD12	3:Z:17:LEU:HD21	1.63	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.80
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.80
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.80
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.64	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.80
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.80
1:C:505:ILE:HD11	1:C:761:PHE:CB	2.01	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.80
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.80
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.80
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.44	0.80
1:C:493:PHE:HD1	1:C:512:PHE:CE1	1.99	0.80
1:C:774:ARG:CG	1:C:778:LEU:HG	2.12	0.80
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.80
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.80
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.80
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.80
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.80
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.80
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.80
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.17	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
1:C:246:PHE:CE2	1:C:248:ARG:CD	2.62	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
1:C:772:GLU:O	1:C:775:ASP:HB2	1.82	0.80
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.94	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.80
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.80
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.80
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:705:LYS:C	1:C:706:GLY:C	2.49	0.80
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.80
2:Y:105:ASN:OD1	3:Z:120:GLU:HA	1.74	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.80
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.80
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.80
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.81	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
2:Y:27:ILE:HG13	2:Y:28:ASP:N	1.92	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.80
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.64	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.62	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.80
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.80
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.80
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.80
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.80
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.80
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.80
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.80
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.80
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.64	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.80
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.80
1:C:252:GLY:HA2	3:Z:90:PHE:O	1.82	0.80
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.80
1:C:723:LEU:CD2	1:C:777:ARG:HD2	2.09	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.80
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.80
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.80
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.80
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.80
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.80
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:493:PHE:HD1	1:C:512:PHE:CE1	1.99	0.80
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.80
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.80
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
1:C:507:TRP:O	1:C:750:PRO:O	1.99	0.80
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.80
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.80
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.80
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.80
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.80
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
1:C:168:GLU:HB2	1:C:715:GLU:HB3	1.62	0.80
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.80
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.80
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.62	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:493:PHE:HD1	1:C:512:PHE:CE1	1.99	0.80
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.62	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.80
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.80
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:505:ILE:HD12	1:C:762:PHE:HB2	1.63	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.80
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.80
3:Z:131:LEU:HD12	3:Z:144:PHE:CD1	2.12	0.80
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
2:Y:101:THR:HG22	3:Z:126:ILE:HG13	1.61	0.80
2:Y:138:LYS:HZ3	3:Z:122:VAL:HG22	1.45	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.80
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.80
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.80
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.80
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
1:C:414:GLN:OE1	1:C:418:GLN:HG3	1.80	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.80
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.80
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.80
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
1:C:505:ILE:HD13	1:C:754:ARG:HB3	0.81	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.80
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.17	0.80
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.80
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.45	0.80
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.80
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.80
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.80
3:Z:37:CYS:SG	3:Z:75:LEU:CD1	2.69	0.80
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.80
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.80
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.98	0.80
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.80
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.80
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.80
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.80
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.80
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:773:MET:HA	1:C:776:GLU:HG2	1.58	0.80
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.80
3:Z:44:PRO:HG3	3:Z:75:LEU:HD11	0.83	0.80
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.80
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.80
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.80
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.80
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.80
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.80
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.80
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.80
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.80
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.80
1:C:190:ILE:HG13	1:C:191:MET:H	1.46	0.80
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.80
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.80
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.80
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.80
1:C:190:ILE:HG13	1:C:191:MET:H	1.46	0.80
1:C:805:ARG:CD	3:Z:21:TRP:CB	2.57	0.80
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.80
1:C:190:ILE:HG13	1:C:191:MET:H	1.46	0.80
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.80
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.80
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.80
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.11	0.80
1:C:493:PHE:CE1	1:C:512:PHE:CG	2.68	0.80
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.80
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.80
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.80
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.80
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.80
1:C:190:ILE:HG13	1:C:191:MET:H	1.46	0.80
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.80
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.80
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.80
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.80
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.80
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.80
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.80
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.80
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.80
1:C:190:ILE:HG13	1:C:191:MET:H	1.46	0.80
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.80
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.80
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.80
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.80
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.80
1:C:124:ASN:ND2	1:C:673:PRO:CG	2.36	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.80
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.80
1:C:190:ILE:HG13	1:C:191:MET:H	1.46	0.80
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.62	0.80
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
1:C:786:GLN:O	1:C:789:ILE:HG13	1.81	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.80
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.80
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.44	0.80
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.80
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:499:GLU:HB2	1:C:710:ARG:NH1	1.97	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.80
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.80
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.80
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.62	0.80
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.47	0.80
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.80
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.80
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.80
1:C:5:PHE:O	3:Z:47:GLU:HG3	1.80	0.80
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.80
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.80
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.80
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.80
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.80
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.80
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.80
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
1:C:382:LYS:O	1:C:386:LEU:CD1	2.23	0.80
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.80
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.80
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.80
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.80
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.80
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.62	0.80
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.80
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.80
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.80
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.80
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.80
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.80
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.80
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.80
1:C:505:ILE:CG1	1:C:754:ARG:HE	1.93	0.80
1:C:801:LEU:CD2	3:Z:21:TRP:CZ3	2.63	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
1:C:703:CYS:HB2	1:C:764:ALA:HB1	1.61	0.80
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.80
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.80
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.62	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.80
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.80
1:C:507:TRP:HB3	1:C:753:TYR:HA	1.63	0.80
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.80
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.80
1:C:472:PHE:CD1	1:C:594:TRP:CE2	2.61	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.80
1:C:129:LEU:HD22	1:C:129:LEU:C	2.05	0.80
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.80
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.80
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.80
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.44	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
2:Y:100:GLU:HG3	3:Z:127:LYS:HD3	1.57	0.80
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.80
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.98	0.80
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.80
1:C:664:HIS:CE1	1:C:711:LEU:HD11	1.96	0.80
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.44	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:500:TYR:HB2	1:C:762:PHE:CA	2.12	0.80
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.80
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.80
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.44	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.80
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.80
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.80
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.80
1:C:144:ARG:HG2	1:C:774:ARG:NH2	1.96	0.80
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.80
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.80
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.80	0.80
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.44	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.80
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.80
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.80
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.44	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.80
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.44	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:505:ILE:CD1	1:C:761:PHE:CA	2.59	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.80
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.80
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.47	0.80
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.80
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.80
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.80
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.80
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.80
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.80
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.80
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.80
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
1:C:509:PHE:CA	1:C:751:ALA:HA	2.12	0.80
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:505:ILE:CD1	1:C:754:ARG:NE	2.29	0.80
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.80
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.80
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.80
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.80
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.80
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.80
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.80
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.80
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.80
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.80
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.80

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
1:C:801:LEU:CG	3:Z:17:LEU:HD11	2.12	0.80
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.80
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.80
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.80
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.80
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.80
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.80
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.80
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.80
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.80
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.80
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.80
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.80
1:C:144:ARG:NE	1:C:147:GLU:CG	2.44	0.80
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.80
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.80
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.80
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.80
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.80
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.80
1:C:792:TYR:OH	2:Y:100:GLU:N	1.93	0.80
1:C:800:LYS:C	1:C:801:LEU:HA	2.07	0.80
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.61	0.80
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.80
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.80
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.79
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.79
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.79
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.79
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.79
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.79
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.79
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.79
1:C:523:ILE:HD12	1:C:523:ILE:O	1.80	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.79
1:C:523:ILE:HD12	1:C:523:ILE:O	1.81	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:452:ARG:HH11	3:Z:96:GLU:CA	1.95	0.79
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.79
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.79
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.79
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.79
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.79
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.79
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.79
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.79
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.79
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.79
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.79
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.79
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.79
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.79
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
2:Y:124:GLU:O	2:Y:128:THR:CG2	2.23	0.79
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.79
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.79
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.79
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.79
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.64	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.79
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.79
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.79
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.79
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.79
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:182:LYS:HZ1	1:C:463:GLY:CA	1.95	0.79
1:C:464:PHE:CZ	1:C:466:ILE:CG2	2.62	0.79
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.79
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
1:C:786:GLN:O	1:C:789:ILE:HG13	1.80	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.79
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.79
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.47	0.79
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.79
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.81	0.79
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.11	0.79
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.79
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.82	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.79
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.79
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.79
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.79
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.79
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.63	0.79
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.79
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.79
1:C:239:ASN:ND2	1:C:283:HIS:CE1	2.40	0.79
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.62	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.79
1:C:268:GLU:HG3	1:C:271:ARG:HB2	1.62	0.79
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.79
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.79
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.79
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.79
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.79
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.79
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.81	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.79
1:C:503:GLU:HG3	1:C:761:PHE:HZ	1.42	0.79
1:C:505:ILE:CD1	1:C:761:PHE:O	2.29	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.44	0.79
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.79
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.79
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.79
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.79
1:C:798:TYR:O	1:C:802:GLN:HG2	1.81	0.79
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:498:GLU:CD	1:C:755:LEU:CB	2.53	0.79
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.79
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.79
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.79
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.79
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.79
1:C:794:ILE:CG1	1:C:795:ARG:H	1.90	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.79
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.81	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.79
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.79
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.79
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.79
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.79
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.79
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.79
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.79
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.79
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.79
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.79
1:C:722:ILE:HG12	1:C:777:ARG:HD2	0.87	0.79
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.79
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.79
2:Y:143:LYS:O	2:Y:147:MET:HG2	1.80	0.79
3:Z:121:ASP:O	3:Z:125:ILE:HG23	1.81	0.79
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.79
1:C:182:LYS:HZ1	1:C:463:GLY:CA	1.95	0.79
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	1.99	0.79
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.79
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.79
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.79
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.79
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.11	0.79
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.79
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.11	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
2:Y:101:THR:CG2	3:Z:126:ILE:N	2.45	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.79
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.79
1:C:182:LYS:HZ1	1:C:463:GLY:CA	1.95	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.79
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.79
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.79
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.79
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.79
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.79
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.79
1:C:182:LYS:HZ1	1:C:463:GLY:CA	1.95	0.79
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.11	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.79
3:Z:37:CYS:SG	3:Z:42:ILE:HD11	2.20	0.79
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:523:ILE:HD11	1:C:530:LEU:HG	1.61	0.79
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.79
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.79
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.79
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.79
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.79
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.79
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.79
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.79
2:Y:123:ASP:O	2:Y:127:MET:HG2	1.80	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.79
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:182:LYS:HZ1	1:C:463:GLY:CA	1.95	0.79
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
2:Y:97:ASP:OD2	3:Z:124:GLU:O	1.99	0.79
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.11	0.79
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.79
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.79
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.79
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.79
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.79
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.79
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.79
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.79
1:C:523:ILE:HD12	1:C:523:ILE:O	1.81	0.79
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.79
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.79
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.79
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
1:C:805:ARG:HD3	3:Z:17:LEU:CA	2.12	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.79
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.79
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.79
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.79
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.79
1:C:523:ILE:HD12	1:C:523:ILE:O	1.81	0.79
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.79
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.79
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:HD12	1:C:523:ILE:O	1.81	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.79
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.79
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.79
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.64	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.79
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:505:ILE:HG12	1:C:761:PHE:HB2	1.64	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.79
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.79
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.79
1:C:500:TYR:CZ	1:C:707:PHE:C	2.50	0.79
1:C:523:ILE:HD12	1:C:523:ILE:O	1.81	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
1:C:99:VAL:HG23	1:C:100:LEU:N	1.97	0.79
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.79
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.64	0.79
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.79
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.79
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:HD12	1:C:523:ILE:O	1.81	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.79
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.79
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.79
1:C:523:ILE:HD12	1:C:523:ILE:O	1.81	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.79
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.79
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.79
1:C:703:CYS:O	1:C:708:PRO:CG	2.22	0.79
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.79
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.95	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.79
2:Y:101:THR:HG22	3:Z:126:ILE:N	1.97	0.79
2:Y:108:TYR:HE1	3:Z:118:SER:OG	1.65	0.79
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.79
1:C:177:GLU:OE2	1:C:672:ILE:HD13	1.81	0.79
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.44	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.79
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.79
1:C:190:ILE:HG13	1:C:191:MET:H	1.46	0.79
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.79
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.79
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.79
1:C:162:ASN:HB2	1:C:170:GLN:NE2	1.96	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.79
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.79
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.79
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.79
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.79
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.79
1:C:497:GLN:O	1:C:754:ARG:CB	2.29	0.79
1:C:505:ILE:HD12	1:C:767:LEU:N	1.97	0.79
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.64	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.79
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.79
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.79
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.79
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.79
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:158:ASN:O	1:C:771:GLU:OE2	1.99	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.79
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.79
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.95	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.79
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.79
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.79
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.79
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.79
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.79
1:C:505:ILE:HD12	1:C:766:VAL:HG21	1.55	0.79
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.79
1:C:808:LEU:HD12	3:Z:21:TRP:CZ2	2.17	0.79
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.79
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.79
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.79
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.17	0.79
2:Y:86:GLU:HA	2:Y:89:ILE:HD12	1.59	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.79
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.79
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.79
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.79
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.79
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.79
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.17	0.79
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.79
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.79
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.79
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.79
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.79
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.79
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.79
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.79
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	1.99	0.79
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.79
1:C:193:LEU:HD11	1:C:251:PHE:HZ	1.43	0.79
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.79
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.79
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
1:C:219:ILE:CG1	1:C:220:ILE:H	1.88	0.79
1:C:280:ARG:CD	1:C:286:TYR:CD1	2.58	0.79
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.79
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.79
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.79
1:C:645:ILE:C	1:C:648:VAL:HG12	2.07	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.82	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.79
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.79
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.79
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.79
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.79
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.79
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.79
1:C:36:VAL:HG23	1:C:67:ARG:HH21	1.27	0.79
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.79
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.79
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.79
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.79
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.79
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.79
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.79
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.79
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.79
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.46	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.64	0.79
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.71	0.79
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.12	0.79
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.17	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.79
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.79
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.79
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.79
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.79
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.79
1:C:495:LEU:N	1:C:754:ARG:CZ	2.41	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.79
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.79
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.79
1:C:503:GLU:C	1:C:711:LEU:N	2.15	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.64	0.79
3:Z:126:ILE:HG13	3:Z:127:LYS:N	1.94	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.79
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:505:ILE:HA	1:C:755:LEU:CA	2.10	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.79
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.79
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.79
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.79
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.79
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.79
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.79
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.79
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.79
3:Z:90:PHE:CD1	3:Z:141:TYR:CG	2.69	0.79
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.79
1:C:153:PHE:CE2	1:C:188:LYS:CE	2.63	0.79
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.79
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.79
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.79
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.79
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
1:C:506:ALA:HB3	1:C:762:PHE:HA	1.63	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
1:C:792:TYR:CZ	2:Y:99:GLN:HG2	2.18	0.79
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.79
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.79
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.79
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.79
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.79
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.79
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.79
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.79
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.79
1:C:505:ILE:HD11	1:C:754:ARG:NE	1.98	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.79
1:C:99:VAL:CG2	1:C:691:LEU:HD13	2.11	0.79
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.46	0.79
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.79
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.79
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.79
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.47	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.79
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:266:LEU:HD21	1:C:649:HIS:CE1	2.16	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.79
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.79
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.79
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.45	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.79
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.79
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.79
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.79
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.79
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.79
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.79
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.79
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:510:ILE:CG2	1:C:763:LYS:HD2	2.12	0.79
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.79
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.79
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.79
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.79
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.79
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.79
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.79
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.79
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.79
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.79
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.79
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.79
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.79
1:C:168:GLU:HG3	1:C:664:HIS:HD1	1.45	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.79
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.79
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.79
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.79
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.44	0.79
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.79
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.79
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.79
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.79
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.79
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.79
1:C:715:GLU:CA	3:Z:91:LYS:HE2	2.13	0.79
3:Z:16:GLU:CA	3:Z:19:ASP:OD1	2.30	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
1:C:800:LYS:O	1:C:802:GLN:N	2.15	0.79
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.79
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.79
1:C:328:PHE:O	1:C:331:CYS:SG	2.41	0.79
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.79
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.79
2:Y:100:GLU:OE1	3:Z:126:ILE:CG1	1.78	0.79
2:Y:101:THR:HG23	3:Z:121:ASP:C	2.08	0.79
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.79
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.79
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.79
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.79
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.79
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.44	0.79
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.79
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.79
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.44	0.79
1:C:135:SER:CB	3:Z:116:ARG:NH1	2.46	0.79
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.79
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.79
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.79
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
2:Y:117:GLY:HA2	3:Z:20:PHE:CZ	2.18	0.79
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.79
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.44	0.79
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.79
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.47	0.79
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.79
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.79
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.79
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
1:C:78:ASN:HD21	1:C:98:SER:HB2	1.43	0.79
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.79
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.46	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.79
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.79
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.79
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.44	0.79
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.79
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.79
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.79
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.79
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.79
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.79
1:C:99:VAL:HG23	1:C:100:LEU:N	1.97	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.83	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.79
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.79
1:C:499:GLU:HG3	1:C:710:ARG:HH11	1.43	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:449:LYS:CG	3:Z:100:PHE:HB2	2.13	0.79
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.79
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.79
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.79
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.79
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.79
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.79
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.79
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.79
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
1:C:328:PHE:O	1:C:331:CYS:SG	2.41	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.79
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.79
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.79
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.79
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.79
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.79
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.79
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.79
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.79
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.79
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.79
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.79
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.79
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.79
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.79
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.79
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.79
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.79
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.79
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.79
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.79
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.79
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.79
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.79
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:131:ILE:HG13	1:C:151:HIS:HE2	1.45	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.79	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.79
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.79
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.79
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.79
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
2:Y:44:SER:OG	2:Y:50:ALA:HB2	1.81	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.79
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.79
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
1:C:505:ILE:HG12	1:C:761:PHE:HB2	1.65	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.79
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.79
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.79
1:C:56:ILE:HD12	1:C:58:VAL:HG13	1.61	0.79
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.79
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
2:Y:100:GLU:HG3	3:Z:127:LYS:CE	2.13	0.79
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.62	0.79
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.79
1:C:506:ALA:N	1:C:709:SER:OG	2.00	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.79
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.79
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.79
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.79
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.79
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
1:C:500:TYR:CD1	1:C:754:ARG:HG3	2.18	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.79
1:C:306:SER:OG	1:C:317:LEU:HD22	1.82	0.79
1:C:504:GLY:C	1:C:762:PHE:CD2	2.60	0.79
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.79
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.79
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.79
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.79
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.79
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.79
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.79
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.79
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.79
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.79
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.79
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.79
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.48	0.79
1:C:500:TYR:CG	1:C:707:PHE:HB3	2.15	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.79
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.79
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.48	0.79
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.79
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.79
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.79
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.79
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.79
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.79
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.79
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.79
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.79
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.79
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.79
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.79
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.79
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.48	0.79
1:C:507:TRP:HB3	1:C:754:ARG:HG3	1.62	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.79
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.82	0.79
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.79
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.79
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.79
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.79
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.79
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.79
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.79
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.79
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.79
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.79
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.79
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.79
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.79
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.79
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.79
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.48	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.79
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.79
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.79
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.79
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.79
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.79
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.79
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.79
2:Y:116:MET:HE1	3:Z:21:TRP:NE1	1.98	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
1:C:505:ILE:CA	1:C:754:ARG:H	1.94	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.79
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.79
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:161:GLN:C	1:C:774:ARG:NE	2.39	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.79
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.66	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
1:C:508:GLU:HG3	1:C:752:GLU:HG2	0.83	0.79
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.79
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.79
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.79
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.79
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.79
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.83	0.79
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.79
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.79
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.79
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.79
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.79
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.79
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.79
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.79
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.79
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.79
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.79
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.79
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.79
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.08	0.79
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.95	0.79
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.79
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.79
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.79
1:C:328:PHE:O	1:C:331:CYS:SG	2.41	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.79
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.79
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.79
1:C:190:ILE:HG13	1:C:191:MET:H	1.46	0.79
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.79
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
1:C:799:LYS:O	1:C:802:GLN:CB	2.31	0.79
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.79
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:268:GLU:CG	1:C:271:ARG:HB2	2.11	0.79
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.79
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.79
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.79
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.80	0.79
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.79
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.79
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
1:C:500:TYR:HB3	1:C:761:PHE:O	1.73	0.79
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.79
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.79
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.79
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.79
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.79
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.79
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.79
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.79
1:C:328:PHE:O	1:C:331:CYS:SG	2.41	0.79
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.79
1:C:187:LYS:O	1:C:191:MET:HG2	1.83	0.79
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.79
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.79
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.79
1:C:506:ALA:N	1:C:754:ARG:NE	2.30	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.79
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.79
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.79
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.79
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.79
2:Y:98:GLU:HG3	3:Z:128:LEU:HG	1.65	0.79
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.79
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.79
1:C:140:TYR:C	1:C:140:TYR:HD1	1.72	0.79
1:C:312:ILE:HD12	1:C:312:ILE:O	1.81	0.79
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.79
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.79
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.79
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.79
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.79
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.79
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.79
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.79
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:464:PHE:CD1	1:C:478:ASN:ND2	2.50	0.79
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.79
1:C:501:LYS:HB3	1:C:754:ARG:O	1.81	0.79
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.79
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.79
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.79
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.79
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.79
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.45	0.79
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.79
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.79
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.79
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.79
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.79
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.79
1:C:452:ARG:NH1	3:Z:96:GLU:CB	2.45	0.79
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.79
1:C:507:TRP:N	1:C:766:VAL:HG22	1.98	0.79
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.79
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.79
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.79
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.79
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.79
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.79
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.79
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.79
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.79
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.78	0.79
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.79
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.79
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.79
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.79
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.79
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.79
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.79
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.79
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.79
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.79
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.79
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.79
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.79
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.79
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.79
1:C:503:GLU:O	1:C:743:LEU:HD11	1.74	0.79
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.79
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.79
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.79
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.79
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.79
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.79
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.79
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.64	0.79
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.79
1:C:799:LYS:O	1:C:803:ASP:N	2.15	0.79
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.79
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:187:LYS:O	1:C:191:MET:HG2	1.83	0.79
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.79
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.79
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.79
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.79
1:C:113:TYR:CD2	1:C:150:PRO:C	2.60	0.79
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.79
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
3:Z:110:LEU:C	3:Z:117:LEU:CD1	2.55	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.79
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.79
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.79
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.79
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.79
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.79
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.79
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.79
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.79
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.48	0.79
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.79
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.79
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.79
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.79
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.79
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.79
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.79
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.79
1:C:144:ARG:CG	1:C:147:GLU:HG3	1.91	0.79
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.79
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.79
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.79
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.79
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.79
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.79
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.79
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.12	0.79
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.79
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.79
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.79
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.79
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.79
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.79
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.79
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.79
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.79
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.79
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.79
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.79
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.79
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.79
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.79
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.79
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.79
1:C:34:CYS:SG	1:C:74:ILE:HD12	2.22	0.79
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.79
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.78
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.78
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.78
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.78
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.78
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
2:Y:99:GLN:NE2	3:Z:124:GLU:OE1	2.16	0.78
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.78
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.78
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.78
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.78
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.78
1:C:504:GLY:HA2	1:C:760:VAL:CB	2.13	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.78
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.78
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.78
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.78
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.78
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.78
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.78
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.78
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.78
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.78
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.78
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.78
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.78
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.78
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.78
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.78
1:C:503:GLU:O	1:C:760:VAL:HG22	1.19	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.78
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.62	0.78
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.78
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.78
1:C:503:GLU:CB	1:C:754:ARG:N	2.46	0.78
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.78
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.78
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.78
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.78
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.83	0.78
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.78
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.78
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.78
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.41	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.07	0.78
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.78
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.78
1:C:499:GLU:HB2	1:C:710:ARG:NE	1.98	0.78
1:C:499:GLU:HG2	1:C:710:ARG:NH1	1.87	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.78
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.78
1:C:773:MET:HA	1:C:776:GLU:HG3	1.65	0.78
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.78
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.78
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.78
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.78
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.48	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.78
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.78
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.78
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.78
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.78
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
3:Z:87:MET:CE	3:Z:142:GLU:OE2	2.29	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.78
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.78
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.78
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.78
1:C:144:ARG:NE	1:C:147:GLU:CG	2.45	0.78
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.78
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.78
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.12	0.78
1:C:143:LYS:O	1:C:774:ARG:NH2	2.15	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.66	0.78
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.64	0.78
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.78
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.78
1:C:504:GLY:HA3	1:C:716:PHE:HE1	1.48	0.78
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.17	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.78
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.78
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.78
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:452:ARG:HD3	3:Z:95:ARG:CA	2.13	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.78
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.78
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.78
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.78
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.78
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.92	0.78
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.78
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.78
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.78
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.78
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.48	0.78
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.78
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:505:ILE:HD11	1:C:754:ARG:NE	1.98	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.78
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.78
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.78
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.78
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.78
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.78
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.78
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.66	0.78
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.78
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.78
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.05	0.78
2:Y:138:LYS:HZ2	3:Z:123:ASP:CB	1.96	0.78
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.78
1:C:479:TYR:CD1	1:C:523:ILE:HG12	2.16	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.05	0.78
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.11	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
1:C:500:TYR:O	1:C:761:PHE:CD1	2.31	0.78
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.78
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	0.99	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.78
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.78
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.78
1:C:503:GLU:HG3	1:C:761:PHE:CZ	2.17	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.78
1:C:506:ALA:H	1:C:754:ARG:HE	1.31	0.78
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.78
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.78
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.78
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.78
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.78
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.78
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.78
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.99	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.78
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.78
1:C:493:PHE:HD1	1:C:512:PHE:CE1	2.00	0.78
1:C:705:LYS:O	1:C:706:GLY:O	2.01	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.78
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:382:LYS:O	1:C:386:LEU:CD1	2.23	0.78
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:452:ARG:HH11	3:Z:96:GLU:H	0.98	0.78
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.78
1:C:800:LYS:C	1:C:801:LEU:N	2.42	0.78
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.66	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.78
1:C:500:TYR:OH	1:C:707:PHE:O	2.01	0.78
1:C:800:LYS:C	1:C:803:ASP:OD1	2.26	0.78
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.99	0.78
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.78
1:C:497:GLN:O	1:C:754:ARG:HB2	1.83	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.78
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.78
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.78
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.78
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.78
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.78
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.78
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.78
1:C:85:LEU:O	1:C:85:LEU:CD1	2.28	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.78
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.78
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.78
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
1:C:493:PHE:HD1	1:C:512:PHE:CE1	1.99	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
2:Y:101:THR:CG2	3:Z:127:LYS:N	2.37	0.78
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.78
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.95	0.78
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.78
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.78
1:C:195:LYS:HE2	3:Z:108:HIS:HD1	0.62	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.62	0.78
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.78
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.78
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.78
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:505:ILE:HG12	1:C:754:ARG:HG3	1.65	0.78
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.78
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.78
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.78
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.78
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.78
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.78
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.78
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.78
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.78
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.78
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.78
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
2:Y:144:PHE:O	2:Y:148:ILE:CG2	2.24	0.78
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:800:LYS:O	1:C:804:GLN:N	2.16	0.78
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.78
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:76:SER:HG	1:C:93:TYR:CD1	1.40	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.78
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.78
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
1:C:76:SER:HG	1:C:93:TYR:CD1	1.40	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.92	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.78
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.78
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.78
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.78
1:C:76:SER:HG	1:C:93:TYR:CD1	1.40	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.78
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.78
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.78
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.78
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.78
1:C:76:SER:HG	1:C:93:TYR:CD1	1.40	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.96	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.48	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:76:SER:HG	1:C:93:TYR:CD1	1.40	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.78
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
1:C:76:SER:HG	1:C:93:TYR:CD1	1.40	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:76:SER:HG	1:C:93:TYR:CD1	1.40	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.78
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.78
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.78
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.78
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.78
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.78
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:800:LYS:HE2	2:Y:95:MET:O	1.84	0.78
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.78
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.78
2:Y:99:GLN:CB	3:Z:124:GLU:HB2	2.13	0.78
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.78
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.78
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.78
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.78
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.78
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.78
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
1:C:506:ALA:H	1:C:762:PHE:HA	1.48	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:536:GLU:HB2	1:C:547:PHE:CE1	1.85	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
2:Y:117:GLY:CA	3:Z:20:PHE:HZ	1.81	0.78
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.78
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.07	0.78
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.78
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.78
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.78
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.78
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.78
1:C:34:CYS:SG	1:C:74:ILE:CD1	2.70	0.78
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.78
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.78
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.78
3:Z:11:LEU:HD22	3:Z:68:PHE:HE2	1.46	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.78
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.78
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.78
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.78
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:801:LEU:CD1	3:Z:21:TRP:CE3	2.64	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.83	0.78
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.78
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.78
1:C:499:GLU:CD	1:C:756:GLY:HA3	2.08	0.78
1:C:509:PHE:HB3	1:C:752:GLU:HG2	0.81	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.99	0.78
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.62	0.78
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.78
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.78
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.78
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.48	0.78
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.78
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.78
1:C:505:ILE:O	1:C:753:TYR:HB2	1.84	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.78
2:Y:86:GLU:HB3	2:Y:149:LYS:CE	2.12	0.78
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:502:LYS:HB3	1:C:713:TYR:OH	1.84	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.78
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.78
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.78
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
1:C:800:LYS:O	1:C:801:LEU:HA	1.83	0.78
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.78
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.78
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
2:Y:97:ASP:C	3:Z:124:GLU:HB3	2.07	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.78
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.78
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.78
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.78
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.78
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.78
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.78
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.78
1:C:804:GLN:HE22	1:C:808:LEU:CD1	1.94	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.78
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.78
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.78
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.78
1:C:603:ASN:OD1	1:C:606:VAL:HB	1.80	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.64	0.78
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.78
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.78
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.78
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.78
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.78
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.78
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.78
1:C:147:GLU:OE2	1:C:771:GLU:O	2.01	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.19	0.78
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.92	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.78
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.78
1:C:825:GLN:HE21	2:Y:51:PRO:HG3	1.45	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.66	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.17	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.78
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.78
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.78
1:C:91:MET:HE2	1:C:102:ASN:OD1	1.82	0.78
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.78
1:C:505:ILE:HD13	1:C:750:PRO:C	2.09	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.66	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.78
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.78
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.78
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.78
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.78
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.78
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.78
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.78
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.78
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.78
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:505:ILE:CD1	1:C:709:SER:HB2	1.99	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.78
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.28	0.78
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
2:Y:97:ASP:HA	3:Z:124:GLU:CD	2.09	0.78
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.78
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.78
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.78
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.78
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.78
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.78
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.78
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.78
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.78
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.41	0.78
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.49	0.78
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.78
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.78
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.78
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:500:TYR:HE1	1:C:707:PHE:HB2	1.48	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.78
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.78
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.78
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.78
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.78
1:C:144:ARG:CZ	1:C:719:ARG:HD3	2.14	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.78
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.78
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.78
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.78
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.78
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
1:C:503:GLU:OE1	1:C:759:LYS:HE3	1.82	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.97	0.78
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.85	0.78
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.78
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.78
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.78
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.41	0.78
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.78
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.78
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.96	0.78
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.78
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.81	0.78
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.78
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.96	0.78
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.78
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.78
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.78
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.78
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.78
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.78
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.78
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
1:C:801:LEU:CG	3:Z:17:LEU:HD11	2.14	0.78
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:148:ILE:CG2	1:C:775:ASP:HB3	2.14	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.78
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
1:C:505:ILE:CD1	1:C:754:ARG:CA	2.61	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.78
3:Z:5:GLN:O	3:Z:8:ILE:CD1	2.29	0.78
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.78
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.78
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.78
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.78
1:C:78:ASN:ND2	1:C:98:SER:HB2	1.96	0.78
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.78
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.78
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.78
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.78
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.78
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.48	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.66	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.78
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.78
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.78
1:C:796:LYS:HZ1	3:Z:128:LEU:HD22	1.49	0.78
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.97	0.78
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.66	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:161:GLN:NE2	1:C:719:ARG:HD3	1.98	0.78
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.78
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.78
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.78
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.78
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.78
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.78
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.78
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.78
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.78
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.78
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.78
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:500:TYR:O	1:C:709:SER:CB	2.31	0.78
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.78
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.78
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.78
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.78
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.97	0.78
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.92	0.78
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.78
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.78
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.78
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.78
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.78
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.78
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.78
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.78
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.78
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.85	0.78
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.78
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.78
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.78
1:C:805:ARG:HD2	3:Z:20:PHE:CD2	2.18	0.78
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.78
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.78
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.78
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.78
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.78
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.78
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.78
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.78
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.78
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.78
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.83	0.78
1:C:190:ILE:HG13	1:C:191:MET:H	1.45	0.78
1:C:437:TRP:HE3	1:C:440:ARG:NH2	1.77	0.78
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.78
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.78
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.78
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.78
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.78
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
2:Y:29:VAL:HG23	2:Y:30:ASP:N	1.93	0.78
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.78
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.78
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.78
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:503:GLU:HG3	1:C:761:PHE:CZ	2.19	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.78
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.78
1:C:143:LYS:HG2	1:C:148:ILE:HG21	1.64	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.78
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.78
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.83	0.78
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.78
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.78
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
1:C:532:ILE:O	1:C:536:GLU:HG2	1.82	0.78
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.78
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.97	0.78
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.78
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.78
1:C:503:GLU:C	1:C:711:LEU:CD1	2.36	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.78
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.78
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.78
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.78
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.78
2:Y:100:GLU:CB	3:Z:127:LYS:HE2	2.12	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
3:Z:90:PHE:CG	3:Z:141:TYR:CD2	2.70	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.78
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.78
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.78
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.66	0.78
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.78
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.78
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.78
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.78
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.99	0.78
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.78
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.78
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.78
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.83	0.78
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.78
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.78
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.78
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.78
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:312:ILE:CG1	1:C:312:ILE:O	2.29	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.78
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.78
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.78
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.78
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.78
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.78
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.78
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.78
1:C:352:THR:O	1:C:356:LEU:CD1	2.30	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.78
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.78
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.78
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.78
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.78
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.78
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.78
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.78
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.85	0.78
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:703:CYS:HA	1:C:708:PRO:HG2	1.64	0.78
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.78
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.78
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.78
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.83	0.78
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.78
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.78
1:C:799:LYS:HG2	1:C:803:ASP:HB3	1.65	0.78
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.78
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.78
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.78
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.78
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.78
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.78
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.78
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.78
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.78
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.78
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.78
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.78
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.48	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.48	0.78
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.78
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.78
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.99	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.78
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.78
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.78
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.78
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.78
1:C:497:GLN:C	1:C:761:PHE:HB2	2.09	0.78
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.78
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.78
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.78
1:C:473:GLU:N	1:C:597:LYS:NZ	2.21	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.78
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
3:Z:142:GLU:O	3:Z:145:VAL:HG22	1.82	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.78
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.78
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.78
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.78
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.45	0.78
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.78
2:Y:96:PHE:HD2	2:Y:104:LEU:CD2	1.95	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.78
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.78
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.78
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.96	0.78
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.78
1:C:496:GLU:C	1:C:761:PHE:CE2	2.62	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
1:C:507:TRP:C	1:C:754:ARG:HD3	2.09	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.62	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.78
1:C:419:VAL:HG23	1:C:420:VAL:N	1.92	0.78
1:C:503:GLU:O	1:C:757:THR:HG23	1.84	0.78
1:C:701:ARG:CG	1:C:705:LYS:HD3	2.09	0.78
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.78
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.78
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.78
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.78
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.78
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.78
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.78
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.82	0.78
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.78
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.78
1:C:800:LYS:C	1:C:804:GLN:H	1.90	0.78
1:C:506:ALA:HB3	1:C:754:ARG:NH2	1.99	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:497:GLN:OE1	1:C:754:ARG:HA	1.84	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.78
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.78
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.78
1:C:296:LEU:C	1:C:299:VAL:HG22	2.07	0.78
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.78
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.78
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
1:C:477:ILE:HG13	1:C:478:ASN:H	1.44	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.78
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.78
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.78
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.78
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.78
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.78
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.78
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.78
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.78

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:HD11	1:C:754:ARG:NE	1.98	0.78
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.78
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.78
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.78
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.78
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.78
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.14	0.78
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.78
1:C:717:LYS:NZ	1:C:738:VAL:CG1	2.45	0.78
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.78
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.78
1:C:503:GLU:CA	1:C:757:THR:H	1.84	0.78
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.78
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.78
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.78
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.78
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.78
1:C:99:VAL:HG23	1:C:100:LEU:N	1.97	0.78
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.78
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.78
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.78
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.78
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.78
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.78
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.78
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.78
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.78
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.78
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.78
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.77
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.77
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.77
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.77
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.77
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.49	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
1:C:242:ARG:NH2	1:C:282:TYR:CB	2.45	0.77
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.77
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.77
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.77
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.77
1:C:253:PRO:O	1:C:781:ILE:CD1	2.30	0.77
1:C:449:LYS:NZ	3:Z:140:LYS:HZ3	1.80	0.77
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.77
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.77
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.77
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.77
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.77
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.77
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.77
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.77
1:C:503:GLU:HG3	1:C:761:PHE:CZ	2.17	0.77
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.77
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.84	0.77
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.48	0.77
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.77
1:C:772:GLU:C	1:C:776:GLU:HG2	2.08	0.77
1:C:167:ARG:NH2	3:Z:92:THR:HA	1.98	0.77
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.77
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.77
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.77
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.77
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.77
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.77
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.77
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.77
1:C:187:LYS:O	1:C:191:MET:HG2	1.83	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.77
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.77
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.77
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.77
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.77
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.77
1:C:507:TRP:CZ3	1:C:706:GLY:C	2.63	0.77
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.77
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.77
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.77
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.77
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.77
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.77
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.77
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.77
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.77
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.77
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.77
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.77
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.77
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
1:C:187:LYS:O	1:C:191:MET:HG2	1.83	0.77
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.77
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.77
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.77
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.77
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.77
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.77
1:C:249:ILE:CG1	1:C:249:ILE:O	2.31	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.77
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.77
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.77
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.77
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.77
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.77
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.77
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.77
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.84	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.66	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.77
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.77
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.77
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.77
1:C:800:LYS:NZ	1:C:804:GLN:HG3	1.98	0.77
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.92	0.77
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.77
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.77
1:C:505:ILE:HD13	1:C:754:ARG:HB3	1.64	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.77
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.67	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.77
1:C:501:LYS:HE2	1:C:755:LEU:HD23	1.65	0.77
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
3:Z:98:GLN:CD	3:Z:100:PHE:HB3	2.07	0.77
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.77
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.77
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.77
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.77
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.77
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.77
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.77
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
1:C:703:CYS:HA	1:C:708:PRO:CG	2.13	0.77
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.77
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.67	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.77
1:C:500:TYR:O	1:C:761:PHE:CA	2.32	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.77
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.77
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.77
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.77
1:C:724:ALA:N	1:C:725:PRO:HD3	1.99	0.77
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.77
1:C:503:GLU:CB	1:C:760:VAL:HG23	2.08	0.77
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.77
1:C:724:ALA:N	1:C:725:PRO:HD3	1.99	0.77
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.77
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.77
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.77
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.77
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.77
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.77
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.77
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.77
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.08	0.77
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.77
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.77
1:C:139:LYS:O	3:Z:95:ARG:NH1	2.17	0.77
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.77
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.77
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.77
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.77
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.77
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.77
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.77
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.77
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.77
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.77
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
2:Y:100:GLU:HG3	3:Z:128:LEU:N	1.85	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.77
2:Y:138:LYS:NZ	3:Z:123:ASP:CB	2.47	0.77
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.77
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.77
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.77
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.77
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.77
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.77
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.77
1:C:500:TYR:C	1:C:754:ARG:CB	2.57	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.77
1:C:187:LYS:O	1:C:191:MET:HG2	1.83	0.77
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.77
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.77
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.77
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.77
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.77
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.97	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.77
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.77
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.77
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.77
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.77
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.93	0.77
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.77
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.77
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.14	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.77
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.77
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.77
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.77
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
2:Y:100:GLU:HB2	3:Z:127:LYS:CE	2.13	0.77
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.77
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.77
2:Y:116:MET:SD	3:Z:22:ASP:CA	2.72	0.77
1:C:508:GLU:H	1:C:763:LYS:CB	1.96	0.77
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.77
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.77
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.77
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.77
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.03	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.77
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.77
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77
1:C:501:LYS:C	1:C:760:VAL:HA	2.09	0.77
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.77
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.77
1:C:505:ILE:HD11	1:C:761:PHE:CA	2.14	0.77
1:C:773:MET:O	1:C:776:GLU:CB	2.26	0.77
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.67	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:365:GLN:CB	1:C:416:MET:SD	2.67	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
1:C:311:PHE:CD1	1:C:312:ILE:CB	2.66	0.77
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.77
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.66	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.50	0.77
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.77
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.97	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.50	0.77
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.77
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.77
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.77
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.77
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.77
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.77
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.77
3:Z:18:PHE:CZ	3:Z:32:LYS:CG	2.65	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.50	0.77
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.77
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.42	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.77
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.08	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.77
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.77
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.77
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.77
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.77
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.14	0.77
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.77
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.77
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.77
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.77
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.50	0.77
1:C:506:ALA:HB1	1:C:752:GLU:OE2	1.84	0.77
1:C:684:ALA:HA	1:C:687:VAL:CG2	2.13	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.77
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.77
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.02	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
1:C:276:GLN:N	1:C:279:GLU:OE2	2.16	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.77
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.77
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.77
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.77
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.77
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.77
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.77
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
1:C:448:THR:OG1	3:Z:102:SER:HB3	1.83	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.77
1:C:505:ILE:HD11	1:C:754:ARG:NE	1.98	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
1:C:749:ASP:OD1	1:C:751:ALA:HB3	1.82	0.77
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.77
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.77
1:C:505:ILE:HD11	1:C:754:ARG:NE	1.98	0.77
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.77
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.77
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.77
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.77
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.02	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:506:ALA:O	1:C:763:LYS:HB2	1.83	0.77
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.66	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.67	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
1:C:724:ALA:N	1:C:725:PRO:HD3	1.99	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.77
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.77
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.77
1:C:725:PRO:HB3	3:Z:85:ASP:CG	2.08	0.77
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.77
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.77
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.77
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.77
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:505:ILE:HD11	1:C:754:ARG:CG	2.15	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.77
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.77
2:Y:85:SER:CB	2:Y:88:THR:HG23	2.12	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.77
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.77
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.77
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.66	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.77
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.77
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.77
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.95	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.77
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.77
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.77
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.77
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.77
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.77
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.77
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.77
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.19	0.77
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.77
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.77
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.84	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.77
1:C:454:TYR:H	3:Z:92:THR:HA	0.63	0.77
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.77
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.77
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.77
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.77
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.77
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.77
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.84	0.77
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.77
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.77
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.84	0.77
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.77
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.77
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.77
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.77
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.77
1:C:500:TYR:C	1:C:761:PHE:N	2.25	0.77
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.77
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.77
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.77
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.77
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.77
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.77
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.77
1:C:502:LYS:HZ1	1:C:757:THR:HG23	0.94	0.77
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.77
1:C:502:LYS:CE	1:C:713:TYR:OH	2.31	0.77
1:C:502:LYS:CD	1:C:713:TYR:CZ	2.66	0.77
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.77
3:Z:120:GLU:O	3:Z:124:GLU:CG	2.27	0.77
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.11	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.77
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.77
3:Z:4:SER:OG	3:Z:7:GLU:HG2	1.81	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.77
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
1:C:725:PRO:CB	3:Z:85:ASP:OD2	2.32	0.77
1:C:772:GLU:O	1:C:775:ASP:N	2.17	0.77
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.77
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.77
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.95	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.77
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.77
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.77
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.77
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.77
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.66	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.77
1:C:177:GLU:CG	1:C:672:ILE:HD12	2.09	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.77
1:C:703:CYS:CA	1:C:764:ALA:HB2	2.15	0.77
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.77
1:C:500:TYR:CA	1:C:761:PHE:HB2	2.14	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.77
2:Y:113:LEU:O	2:Y:120:PHE:HD2	1.65	0.77
1:C:167:ARG:HH22	3:Z:95:ARG:CG	1.96	0.77
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.77
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.77
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.77
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.66	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.97	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.77
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.77
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.77
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.77
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.77
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.77
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.77
1:C:275:GLN:HB2	1:C:314:GLN:HG3	1.65	0.77
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.77
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.77
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.77
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.77
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:385:PHE:HD2	1:C:386:LEU:HD12	1.47	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.77
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.77
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.77
1:C:452:ARG:NH1	3:Z:96:GLU:CA	2.47	0.77
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.77
1:C:724:ALA:N	1:C:725:PRO:HD3	1.99	0.77
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.77
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.77
1:C:800:LYS:HE3	1:C:804:GLN:CB	2.13	0.77
2:Y:108:TYR:CZ	3:Z:123:ASP:OD2	2.37	0.77
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.77
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.77
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.84	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.77
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.77
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.77
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.77
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.77
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.77
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.77
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.77
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.85	0.77
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.77
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.77
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.77
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.77
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.77
2:Y:84:ASP:OD2	2:Y:89:ILE:HG22	1.83	0.77
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.77
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.77
1:C:502:LYS:CD	1:C:713:TYR:CE1	2.67	0.77
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.77
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.77
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.77
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.77
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.08	0.77
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.77
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.77
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.77
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.77
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.77
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.77
1:C:508:GLU:C	1:C:751:ALA:HB1	2.08	0.77
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.77
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.77
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.77
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.77
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.77
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.77
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.77
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.12	0.77
1:C:577:HIS:CG	1:C:591:ILE:CD1	2.66	0.77
1:C:804:GLN:HA	2:Y:95:MET:HE3	1.64	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.77
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.77
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.84	0.77
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.77
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.77
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.77
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.66	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:503:GLU:HB3	1:C:756:GLY:CA	2.15	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	2.00	0.77
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.49	0.77
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:556:MET:SD	1:C:562:PHE:CD2	2.76	0.77
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.77
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.77
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.77
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.77
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.77
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
1:C:503:GLU:HB3	1:C:759:LYS:C	2.06	0.77
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.49	0.77
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.77
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.77
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.47	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.77
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.66	0.77
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
1:C:454:TYR:CD1	3:Z:92:THR:HA	2.20	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.77
1:C:509:PHE:CB	1:C:750:PRO:C	2.56	0.77
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.77
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.77
1:C:187:LYS:O	1:C:191:MET:HG2	1.84	0.77
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:94:LEU:HD13	1:C:700:ILE:CB	2.13	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.67	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.77
1:C:505:ILE:C	1:C:753:TYR:HB3	2.08	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.77
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.77
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.95	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.85	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:472:PHE:CZ	1:C:645:ILE:HD11	2.17	0.77
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
1:C:254:THR:HB	3:Z:108:HIS:CB	2.15	0.77
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.14	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.77
3:Z:46:ASN:CG	3:Z:115:GLU:HG3	2.08	0.77
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.77
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.77
1:C:800:LYS:O	1:C:801:LEU:C	2.27	0.77
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.77
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.77
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.77
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.77
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.77
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.77
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.77
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.77
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.77
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.77
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.77
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.77
1:C:99:VAL:HG23	1:C:100:LEU:H	1.48	0.77
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.77
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.77
1:C:569:THR:C	1:C:570:ARG:HG3	2.08	0.77
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77
1:C:99:VAL:HG23	1:C:100:LEU:N	1.97	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.77
1:C:799:LYS:HG2	1:C:803:ASP:CG	2.10	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.77
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.77
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:645:ILE:C	1:C:648:VAL:HG12	2.08	0.77
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.77
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.77
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.77
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.62	0.77
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.77
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.77
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.77
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.77
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.77
1:C:496:GLU:HA	1:C:710:ARG:NH2	1.99	0.77
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.77
1:C:164:VAL:CB	1:C:778:LEU:CD1	2.56	0.77
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.77
1:C:449:LYS:HG3	3:Z:100:PHE:HB2	1.66	0.77
1:C:451:LYS:CD	3:Z:141:TYR:CD2	2.54	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.85	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:507:TRP:HE3	1:C:708:PRO:HD2	1.50	0.77
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.77
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.77
1:C:505:ILE:N	1:C:710:ARG:HA	2.00	0.77
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.77
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.77
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.77
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.96	0.77
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.77
1:C:267:LEU:CD1	1:C:435:PHE:CD2	2.66	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
1:C:772:GLU:O	1:C:776:GLU:CG	2.32	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.77
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.48	0.77
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.77
1:C:507:TRP:CB	1:C:707:PHE:CE2	2.53	0.77
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.77
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.77
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.77
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.77
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.77
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.77
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.77
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.77
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.77
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.77
1:C:785:PHE:CB	3:Z:86:TYR:HE2	1.95	0.77
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.77
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.77
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.77
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.77
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.77
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.77
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.77
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.77
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.77
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.77
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.77
3:Z:16:GLU:HA	3:Z:19:ASP:OD1	1.83	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.77
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.77
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.77
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.77
1:C:187:LYS:O	1:C:191:MET:HG2	1.83	0.77
1:C:500:TYR:HB2	1:C:754:ARG:HB2	1.65	0.77
1:C:187:LYS:O	1:C:191:MET:HG2	1.83	0.77
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.77
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.80	0.77
1:C:371:GLN:HG2	1:C:372:ALA:H	1.48	0.77
1:C:492:MET:HE3	1:C:493:PHE:CD2	2.16	0.77
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.92	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.77
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.77
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
1:C:187:LYS:O	1:C:191:MET:HG2	1.83	0.77
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.77
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.77
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.93	0.77
1:C:645:ILE:HG13	1:C:646:SER:H	1.43	0.77
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.77
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.77
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.77
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.77
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
1:C:187:LYS:O	1:C:191:MET:HG2	1.83	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.77
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.77
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.77
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.77
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.77
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.77
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.77
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.94	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.84	0.77
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.77
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.77
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.77
1:C:503:GLU:OE2	1:C:759:LYS:N	2.18	0.77
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.77
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.77
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.77
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.77
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.77
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.77
1:C:525:LYS:HE3	1:C:526:PRO:HG2	1.65	0.77
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.77
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.67	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.77
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.77
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.77
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.77
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.85	0.77
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.77
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.77
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:563:THR:HG1	1:C:579:GLU:CD	1.81	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.77
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.77
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.77
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.77
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
1:C:503:GLU:O	1:C:760:VAL:N	2.17	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.77
1:C:182:LYS:HZ1	1:C:463:GLY:CA	1.97	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.66	0.77
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.77
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.77
1:C:144:ARG:HH22	1:C:719:ARG:HD3	0.64	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.14	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.19	0.77
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.77
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.77
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.96	0.77
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.77
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.77
2:Y:132:ALA:CB	2:Y:139:PHE:CE1	2.55	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.77
1:C:41:GLU:OE1	1:C:684:ALA:HB1	1.83	0.77
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.77
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.92	0.77
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.77
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.77
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.77
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.77
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.77
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.77
1:C:195:LYS:NZ	3:Z:108:HIS:CE1	2.52	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:522:LEU:O	1:C:529:ILE:HG23	1.83	0.77
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.77
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.77
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.77
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.77
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.77
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.77
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.77
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.77
1:C:328:PHE:O	1:C:331:CYS:SG	2.41	0.77
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.02	0.77
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.77
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.77
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.77
1:C:724:ALA:N	1:C:725:PRO:HD3	1.99	0.77
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.92	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.77
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.77
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.77
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.77
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.94	0.77
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.77
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:501:LYS:NZ	1:C:770:LEU:CD1	2.27	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.77
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.39	0.77
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.77
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.67	0.77
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.77
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.77
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.77
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.77
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.77
1:C:724:ALA:N	1:C:725:PRO:HD3	1.99	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.77
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.77
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:179:GLY:CA	1:C:237:ASN:HD21	1.96	0.77
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.77
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.77
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.77
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.77
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.77
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.77
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.77
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:509:PHE:HB2	1:C:754:ARG:HH12	1.50	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.77
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.77
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.77
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.77
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.77
1:C:168:GLU:CB	1:C:715:GLU:HB3	2.15	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.77
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.77
1:C:725:PRO:HG3	1:C:777:ARG:HH12	1.49	0.77
1:C:32:LYS:CE	1:C:47:GLU:HG3	2.10	0.77
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.77
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.77
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.77
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.77
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.77
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.77
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.77
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.77
1:C:328:PHE:O	1:C:331:CYS:SG	2.41	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.77
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.77
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.77
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.77
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.77
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.77
1:C:35:TRP:HB2	1:C:75:GLN:HB2	1.64	0.77
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.77
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.77
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.77
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.77
1:C:505:ILE:HD12	1:C:762:PHE:CD1	1.61	0.77
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.77
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.77
1:C:328:PHE:O	1:C:331:CYS:SG	2.41	0.77
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.77
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.77
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.77
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.77
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.77
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.77
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.77
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.77
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.77
1:C:328:PHE:O	1:C:331:CYS:SG	2.41	0.77

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.77
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.77
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.77
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.77
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.77
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.77
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.77
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.77
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.77
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.77
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.77
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.77
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.77
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.98	0.77
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.77
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.77
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.77
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.77
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.77
1:C:328:PHE:O	1:C:331:CYS:SG	2.41	0.77
1:C:801:LEU:CD1	3:Z:21:TRP:HE3	1.91	0.77
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.77
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.76
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.76
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.76
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.76
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.76
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.76
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.76
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.67	0.76
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.76
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.76
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.76
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.76
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.76
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.76
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.76
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.93	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
3:Z:117:LEU:HD13	3:Z:117:LEU:C	1.95	0.76
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.76
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
1:C:100:LEU:CD1	1:C:688:LEU:CA	2.51	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.76
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.76
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.76
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.76
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.85	0.76
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
1:C:328:PHE:O	1:C:331:CYS:SG	2.40	0.76
1:C:506:ALA:O	1:C:707:PHE:CE2	2.38	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.76
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.76
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.76
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.76
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.76
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.76
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.45	0.76
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.76
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.76
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.76
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.76
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.76
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.76
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.76
1:C:773:MET:O	1:C:776:GLU:HB2	1.84	0.76
1:C:799:LYS:O	1:C:802:GLN:N	2.18	0.76
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.76
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.76
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
1:C:5:PHE:CZ	1:C:780:LYS:CB	2.56	0.76
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.76
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.50	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.76
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.76
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.76
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.76
1:C:800:LYS:CG	1:C:804:GLN:HB2	2.12	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
1:C:182:LYS:HZ1	1:C:463:GLY:CA	1.98	0.76
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:182:LYS:HZ1	1:C:463:GLY:CA	1.98	0.76
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.76
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.76
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.76
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.85	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
1:C:382:LYS:O	1:C:386:LEU:CD1	2.24	0.76
1:C:505:ILE:HD12	1:C:766:VAL:HG23	0.94	0.76
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.34	0.76
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.76
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.76
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.76
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.76
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.76
1:C:800:LYS:O	1:C:801:LEU:HA	1.84	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.76
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.76
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.76
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.76
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.76
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.66	0.76
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.76
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.76
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.76
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.76
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.76
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.76
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.76
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.76
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.76
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.76
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.76
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.76
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.76
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.68	0.76
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.84	0.76
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.76
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.76
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.76
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.76
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.76
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.76
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.76
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.76
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.32	0.76
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.76
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.76
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.76
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.76
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.76
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.76
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.76
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.76
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.76
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.76
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.76
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.76
1:C:99:VAL:HG23	1:C:100:LEU:N	1.98	0.76
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.76
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.76
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.76
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.76
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.92	0.76
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.76
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.76
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.39	0.76
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.76
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.76
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.76
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.76
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.76
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.76
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.76
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.97	0.76
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.76
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.76
2:Y:100:GLU:OE1	3:Z:126:ILE:CG2	2.25	0.76
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CZ	2:Y:141:TYR:CB	2.67	0.76
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.76
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.76
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.76
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.76
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.76
1:C:505:ILE:HD11	1:C:754:ARG:CD	2.15	0.76
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.76
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.76
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.76
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.76
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.76
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.76
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.76
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.76
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:523:ILE:HD12	1:C:529:ILE:HG13	1.65	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.76
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.76
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.76
2:Y:35:VAL:CG2	2:Y:67:LEU:HB2	2.06	0.76
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.76
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.76
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
1:C:120:CYS:SG	1:C:668:VAL:HA	2.24	0.76
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.76
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.45	0.76
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.76
1:C:126:TYR:CE2	1:C:679:PRO:CG	2.51	0.76
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.76
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.50	0.76
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.76
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.84	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.76
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.76
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.76
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.76
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.98	0.76
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.76
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.76
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:501:LYS:HA	1:C:753:TYR:O	1.85	0.76
1:C:508:GLU:N	1:C:763:LYS:CG	2.48	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
1:C:799:LYS:HE3	1:C:806:ILE:HG21	1.67	0.76
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.76
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.67	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.76
1:C:166:ASP:N	1:C:774:ARG:HD3	2.00	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:598:ASN:O	1:C:645:ILE:HG23	1.84	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.76
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:504:GLY:C	1:C:767:LEU:HD11	1.79	0.76
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.76
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.76
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.38	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.76
1:C:724:ALA:N	1:C:725:PRO:HD3	1.99	0.76
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.76
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.84	0.76
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.76
1:C:724:ALA:N	1:C:725:PRO:HD3	1.99	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.76
3:Z:100:PHE:O	3:Z:100:PHE:HD1	1.65	0.76
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.76
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.84	0.76
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.76
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.84	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.76
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.84	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.76
1:C:503:GLU:OE2	1:C:711:LEU:CG	2.33	0.76
1:C:505:ILE:CB	1:C:753:TYR:HA	2.12	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.84	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.76
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.76
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.76
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.76
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.76
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.49	0.76
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.76
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.76
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.76
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.76
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.76
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
1:C:525:LYS:HG2	1:C:526:PRO:HG2	1.64	0.76
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.76
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.76
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.76
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.76
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
1:C:256:LYS:HB2	3:Z:95:ARG:NH2	1.99	0.76
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.76
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
3:Z:101:ILE:HD13	3:Z:106:LEU:CD2	2.14	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.76
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.76
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.76
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.76
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.76
1:C:503:GLU:HG2	1:C:761:PHE:CE1	2.19	0.76
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.76
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.76
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.76
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.97	0.76
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.76
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.76
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.76
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.76
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.76
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.76
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.76
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.76
1:C:587:VAL:CG2	1:C:589:TYR:HE2	1.75	0.76
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.76
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.76
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.82	0.76
1:C:691:LEU:HD23	1:C:696:VAL:HG11	1.66	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.76
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.76
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.76
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.76
1:C:529:ILE:CG1	1:C:530:LEU:N	2.48	0.76
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.76
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.76
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.76
1:C:495:LEU:H	1:C:754:ARG:NH2	1.83	0.76
1:C:529:ILE:CG1	1:C:530:LEU:N	2.48	0.76
1:C:725:PRO:CB	3:Z:88:GLU:CD	2.58	0.76
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.76
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:504:GLY:CA	1:C:760:VAL:H	1.97	0.76
1:C:529:ILE:CG1	1:C:530:LEU:N	2.48	0.76
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.76
1:C:801:LEU:HB2	3:Z:17:LEU:HD11	1.68	0.76
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.76
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.76
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.76
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.76
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.76
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
1:C:801:LEU:HD12	3:Z:17:LEU:HD21	1.65	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.76
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.76
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.76
1:C:529:ILE:CG1	1:C:530:LEU:N	2.48	0.76
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.76
1:C:293:ILE:CD1	1:C:328:PHE:HE2	1.49	0.76
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.84	0.76
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.76
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.76
1:C:529:ILE:CG1	1:C:530:LEU:N	2.48	0.76
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.32	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:126:TYR:CD2	1:C:679:PRO:HG3	2.18	0.76
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:529:ILE:CG1	1:C:530:LEU:N	2.48	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	1.99	0.76
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.76
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.76
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.76
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.76
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.76
1:C:774:ARG:O	1:C:778:LEU:N	2.14	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.14	0.76
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.76
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.76
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.76
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.76
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.14	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
1:C:144:ARG:NH2	1:C:773:MET:CB	2.42	0.76
1:C:161:GLN:HE21	1:C:719:ARG:HG3	1.50	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.76
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.76
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.76
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.76
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.76
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.97	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.76
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.76
2:Y:100:GLU:CA	3:Z:127:LYS:HE2	1.95	0.76
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.76
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.76
1:C:507:TRP:CZ3	1:C:707:PHE:CE1	2.73	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
1:C:801:LEU:HB2	3:Z:17:LEU:HD11	1.67	0.76
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.76
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.76
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.76
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.76
1:C:144:ARG:HH12	1:C:719:ARG:HD3	1.45	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.76
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.76
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.39	0.76
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.76
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.76
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.76
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.76
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.50	0.76
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.32	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:166:ASP:N	1:C:774:ARG:CD	2.47	0.76
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.76
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.76
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.76
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.76
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.76
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.76
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.76
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.76
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.76
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
1:C:506:ALA:CA	1:C:753:TYR:HB3	2.14	0.76
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.76
1:C:664:HIS:HE1	1:C:715:GLU:HB2	1.51	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.76
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.76
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.76
1:C:253:PRO:CG	3:Z:105:GLU:HG3	2.12	0.76
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.76
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
1:C:81:LYS:HZ1	1:C:772:GLU:HB2	1.51	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.93	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.76
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.76
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:500:TYR:CD2	1:C:707:PHE:HB2	2.19	0.76
1:C:502:LYS:CB	1:C:756:GLY:HA3	2.02	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:504:GLY:N	1:C:760:VAL:HA	2.00	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.76
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.76
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.76
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.76
1:C:285:PHE:HE2	1:C:312:ILE:CG2	1.86	0.76
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.76
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.76
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.76
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.76
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.76
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.76
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.76
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.76
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.45	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.76
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.76
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.76
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.76
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.76
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
1:C:724:ALA:N	1:C:725:PRO:HD3	1.99	0.76
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.82	0.76
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.76
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.76
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.76
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
2:Y:100:GLU:CB	3:Z:127:LYS:CD	2.59	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.76
1:C:472:PHE:CE1	1:C:594:TRP:CZ2	2.72	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.76
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.76
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.76
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.76
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.76
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.76
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.49	0.76
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
1:C:497:GLN:HG2	1:C:754:ARG:HG3	1.66	0.76
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.76
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.76
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.20	0.76
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.76
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.76
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.76
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.44	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.76
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.76
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.76
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.76
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.76
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.76
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.76
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.76
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.76
1:C:509:PHE:HD1	1:C:754:ARG:HH11	1.30	0.76
1:C:800:LYS:NZ	1:C:807:GLY:N	2.34	0.76
1:C:800:LYS:NZ	1:C:803:ASP:O	2.18	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.76
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.76
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.76
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.76
1:C:8:PRO:HG2	3:Z:116:ARG:N	2.00	0.76
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.76
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.76
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.76
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.76
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.76
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.76
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.08	0.76
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.76
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.76
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.76
1:C:490:HIS:O	1:C:494:ILE:CG1	2.31	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.76
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.76
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.76
1:C:503:GLU:HG3	1:C:761:PHE:CE1	2.21	0.76
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.76
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.76
1:C:335:PHE:O	1:C:340:PHE:CD2	2.39	0.76
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.76
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.85	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
1:C:505:ILE:CD1	1:C:754:ARG:CD	2.18	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.76
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.76
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	1.99	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.76
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.76
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.76
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.20	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.02	0.76
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.76
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.76
1:C:335:PHE:O	1:C:340:PHE:CD2	2.39	0.76
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
1:C:451:LYS:HZ3	3:Z:142:GLU:CD	1.94	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.02	0.76
1:C:800:LYS:HE3	1:C:804:GLN:HG2	1.67	0.76
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.02	0.76
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.19	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.76
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.76
1:C:147:GLU:OE1	1:C:771:GLU:C	2.28	0.76
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.76
1:C:724:ALA:N	1:C:725:PRO:HD3	1.98	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.67	0.76
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.34	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.02	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.76
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.76
1:C:498:GLU:O	1:C:756:GLY:CA	2.33	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.02	0.76
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.76
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.02	0.76
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.76
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.76
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.67	0.76
1:C:144:ARG:HH12	1:C:715:GLU:CG	1.97	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.76
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.76
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.67	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.14	0.76
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.76
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.76
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.76
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.76
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.76
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.76
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.76
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.76
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.76
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.76
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.76
1:C:505:ILE:CD1	1:C:762:PHE:HA	2.15	0.76
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.76
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.76
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.76
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.76
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.76
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.76
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.76
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.76
1:C:437:TRP:CA	1:C:440:ARG:HE	1.96	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.39	0.76
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.76
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.99	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.76
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.76
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.76
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.76
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.39	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.76
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.76
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.76
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.76
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.76
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.76
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.76
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.76
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.85	0.76
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.76
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.76
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.76
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.76
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.76
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.76
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.76
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.76
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.76
1:C:190:ILE:CD1	1:C:219:ILE:HD11	2.14	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.76
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.76
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.76
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.76
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.76
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.76
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.19	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.76
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.76
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.76
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.76
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.76
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.76
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.76
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.76
1:C:236:ARG:HH12	1:C:465:GLU:HA	1.47	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.76
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.76
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.76
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.76
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
2:Y:103:LYS:HB2	3:Z:123:ASP:CB	2.15	0.76
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.76
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.76
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.76
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.76
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.76
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.76
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.76
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
1:C:505:ILE:HD11	1:C:753:TYR:CB	1.83	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.76
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.76
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.76
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.76
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.76
2:Y:116:MET:CA	3:Z:20:PHE:HZ	1.99	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.76
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.76
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.76
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:503:GLU:OE2	1:C:759:LYS:CA	2.34	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.76
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.76
2:Y:94:ALA:C	3:Z:128:LEU:HD21	2.10	0.76
2:Y:94:ALA:HB1	3:Z:128:LEU:CD2	2.16	0.76
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.76
1:C:802:GLN:NE2	3:Z:17:LEU:HB2	2.00	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.76
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.76
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.32	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:505:ILE:HG23	1:C:761:PHE:O	1.86	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.76
1:C:496:GLU:CA	1:C:710:ARG:HH22	1.97	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.76
1:C:451:LYS:C	3:Z:90:PHE:CE2	2.30	0.76
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.76
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.02	0.76
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.76
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.76
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.76
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.76
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.76
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.76
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.76
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.76
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.76
1:C:502:LYS:O	1:C:757:THR:N	0.61	0.76
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.76
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.84	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.76
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.76
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.51	0.76
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.76
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
1:C:800:LYS:HG2	1:C:804:GLN:CB	1.77	0.76
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.76
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.08	0.76
2:Y:103:LYS:HB2	3:Z:123:ASP:HB2	1.66	0.76
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.76
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.76
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.76
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:174:ILE:CA	1:C:668:VAL:HG23	2.06	0.76
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.76
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.76
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.76
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.76
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.76
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.76
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.76
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.76
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.76
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.14	0.76
2:Y:100:GLU:CA	3:Z:127:LYS:CE	2.38	0.76
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.76
1:C:598:ASN:O	1:C:645:ILE:HG23	1.85	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.76
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.76
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.63	0.76
1:C:437:TRP:CA	1:C:440:ARG:HE	1.96	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.39	0.76
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.08	0.76
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.76
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.76
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.76
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.76
1:C:603:ASN:O	1:C:606:VAL:HG12	1.84	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.76
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.76
1:C:366:ARG:NH2	1:C:368:ARG:HH21	1.79	0.76
1:C:800:LYS:HZ3	1:C:808:LEU:HD11	1.49	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.76
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
1:C:500:TYR:CD2	1:C:761:PHE:CD2	2.74	0.76
1:C:285:PHE:HZ	1:C:312:ILE:CG2	1.79	0.76
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.76
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.76
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
1:C:529:ILE:CG1	1:C:530:LEU:N	2.48	0.76
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.76
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.76
1:C:799:LYS:HE3	1:C:806:ILE:HG12	1.68	0.76
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.76
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.76
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.76
1:C:253:PRO:O	3:Z:95:ARG:CZ	2.29	0.76
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.76
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.39	0.76
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.76
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.76
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.67	0.76
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.76
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.76
1:C:246:PHE:CD1	1:C:459:LEU:HG	2.19	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.76
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.76
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.76
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.76
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.76
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:507:TRP:HZ3	1:C:706:GLY:C	1.93	0.76
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.76
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.76
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.76
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.76
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.76
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.76
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.76
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.93	0.76
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.76
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.76
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.76
1:C:505:ILE:CD1	1:C:767:LEU:HG	2.15	0.76
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.76
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.76
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.76
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.76
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.76
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.76
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.76
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.76
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.76
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.76
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.99	0.76
1:C:139:LYS:HE3	1:C:779:SER:HB2	1.67	0.76
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.76
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.76
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.76
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.47	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:806:ILE:CG1	1:C:807:GLY:N	2.47	0.76
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.76
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.76
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.76
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.76
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.76
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.20	0.76
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.76
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.76
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.51	0.76
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.76
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.76
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.76
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.76
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.76
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.76
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.76
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.76
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.76
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.76
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.76
3:Z:33:LEU:O	3:Z:36:VAL:CG2	2.32	0.76
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.76
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.76

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.76
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.76
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.76
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.76
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.76
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.75
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.85	0.75
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.75
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.75
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.75
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.75
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.69	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.75
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.75
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.75
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.75
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.75
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.75
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.75
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.75
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.75
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.69	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.75
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.69	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.75
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.75
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.75
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.75
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.75
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.75
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.75
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.49	0.75
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.82	0.75
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.75
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.75
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.75
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.75
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.75
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.75
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.69	0.75
1:C:499:GLU:O	1:C:761:PHE:N	2.19	0.75
1:C:504:GLY:C	1:C:743:LEU:CD1	2.59	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.75
1:C:800:LYS:C	1:C:801:LEU:HA	2.09	0.75
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.75
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.75
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.75
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.69	0.75
1:C:508:GLU:CB	1:C:751:ALA:CB	2.63	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.75
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.75
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.75
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.75
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.75
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.75
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.75
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.75
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.69	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:560:ARG:O	1:C:560:ARG:HG2	1.83	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:711:LEU:HD22	1:C:719:ARG:NH2	1.98	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.75
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.75
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.75
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.75
1:C:800:LYS:CA	1:C:803:ASP:N	2.48	0.75
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.39	0.75
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.75
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.75
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.75
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.75
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.75
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.75
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.75
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.75
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.75
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.75
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.75
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.75
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.75
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:472:PHE:HB2	1:C:594:TRP:CE3	2.20	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.39	0.75
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.75
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.75
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.85	0.75
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.75
1:C:173:LEU:CD2	1:C:459:LEU:HB2	2.13	0.75
1:C:285:PHE:CG	1:C:311:PHE:CZ	2.72	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.75
1:C:165:THR:HG22	1:C:718:GLN:OE1	1.85	0.75
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.08	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.75
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.75
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.75
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.75
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.75
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.75
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.75
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.75
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.75
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.30	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.34	0.75
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.68	0.75
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.75
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.30	0.75
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.34	0.75
1:C:802:GLN:HE21	3:Z:17:LEU:HD12	1.49	0.75
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.75
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.75
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.75
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.75
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.75
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.75
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.75
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.75
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:497:GLN:O	1:C:754:ARG:HB2	1.83	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.38	0.75
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.75
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.75
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.75
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.75
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.75
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.75
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.75
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.75
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.75
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.75
1:C:503:GLU:CA	1:C:760:VAL:O	2.34	0.75
1:C:505:ILE:HD13	1:C:767:LEU:HD12	1.68	0.75
1:C:505:ILE:HB	1:C:709:SER:HB3	1.68	0.75
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.75
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.75
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.75
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.75
2:Y:101:THR:CG2	3:Z:126:ILE:H	1.99	0.75
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.75
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.75
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.75
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.75
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.75
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.75
1:C:811:ILE:HA	1:C:814:ASN:OD1	1.84	0.75
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.75
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.75
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.75
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.94	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.75
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.75
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.75
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.75
1:C:319:VAL:HG23	1:C:322:ILE:CB	2.10	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.34	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:358:MET:CE	1:C:426:LEU:CB	2.54	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.14	0.75
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.75
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.75
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.34	0.75
2:Y:86:GLU:C	2:Y:89:ILE:CD1	2.57	0.75
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.75
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.75
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.75
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.75
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.75
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.75
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.75
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.75
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
1:C:60:ILE:CD1	1:C:63:ASP:N	2.39	0.75
1:C:494:ILE:HG13	1:C:495:LEU:H	1.48	0.75
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.75
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.75
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.75
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.75
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.85	0.75
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.75
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.75
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:502:LYS:CG	1:C:758:THR:H	1.96	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.75
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.75
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.75
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.75
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.75
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.75
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.75
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.75
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.75
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.75
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.39	0.75
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.75
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.75
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.75
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.75
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.93	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.75
1:C:254:THR:HB	3:Z:108:HIS:CG	2.21	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.75
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.51	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.75
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.75
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.69	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
3:Z:11:LEU:HD22	3:Z:68:PHE:CE2	2.20	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.75
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.75
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.75
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.75
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.75
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.75
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.75
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.75
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.51	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.34	0.75
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.75
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.75
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.75
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.75
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.75
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.75
1:C:505:ILE:HD12	1:C:754:ARG:N	1.98	0.75
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.75
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.75
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.75
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.75
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.75
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.75
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.75
1:C:174:ILE:CD1	1:C:182:LYS:CG	2.63	0.75
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.75
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.75
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.75
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.75
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.75
1:C:505:ILE:HA	1:C:755:LEU:N	2.01	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.75
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.75
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.75
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.75
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.75
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.75
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.75
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.75
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.75
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.75
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.75
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.75
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.75
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.75
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.75
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.75
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.75
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.75
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.75
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.75
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.75
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.75
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.75
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.75
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.75
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.75
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.75
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.75
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.75
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.75
1:C:100:LEU:HD12	1:C:688:LEU:HB2	1.64	0.75
1:C:216:GLU:HG2	1:C:217:ASP:N	1.99	0.75
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.75
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.75
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:800:LYS:HG3	1:C:803:ASP:OD2	1.86	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.39	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:504:GLY:C	1:C:755:LEU:HB3	1.76	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.75
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.75
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.75
1:C:499:GLU:O	1:C:760:VAL:C	2.29	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.75
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.85	0.75
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.75
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.75
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.75
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.86	0.75
1:C:498:GLU:O	1:C:756:GLY:HA2	1.86	0.75
1:C:499:GLU:CG	1:C:710:ARG:HB3	2.17	0.75
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.75
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.75
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.75
1:C:505:ILE:HB	1:C:754:ARG:HB3	0.76	0.75
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.93	0.75
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.94	0.75
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.75
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.75
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	0.99	0.75
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.75
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.75
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.75
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.75
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.75
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.75
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.75
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.75
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.75
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.75
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.99	0.75
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.75
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.75
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.75
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.67	0.75
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.39	0.75
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.75
1:C:335:PHE:O	1:C:340:PHE:CD2	2.39	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.75
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.75
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
1:C:312:ILE:CD1	1:C:312:ILE:O	2.33	0.75
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.75
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.75
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.69	0.75
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.75
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.75
1:C:505:ILE:HD11	1:C:754:ARG:HE	1.51	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.39	0.75
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.75
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.75
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.75
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.75
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.75
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.75
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.75
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.30	0.75
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.75
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.75
1:C:563:THR:HG1	1:C:579:GLU:CD	1.84	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.75
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.75
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.75
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.75
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.75
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.75
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.75
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.75
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.75
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.75
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
2:Y:52:ASP:OD1	2:Y:55:GLU:HG2	1.85	0.75
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.75
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.75
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.75
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.75
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.75
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.75
1:C:507:TRP:CZ3	1:C:706:GLY:C	2.65	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.75
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.75
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.75
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.75
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.75
1:C:161:GLN:NE2	1:C:771:GLU:CD	2.39	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.66	0.75
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.75
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.75
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.75
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.75
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.75
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
2:Y:103:LYS:HB2	3:Z:123:ASP:CG	2.12	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.75
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.68	0.75
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.75
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.75
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.75
1:C:802:GLN:HE21	3:Z:17:LEU:HD12	1.50	0.75
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.75
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.75
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.75
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.66	0.75
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.75
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.75
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.75
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.75
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.75
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.75
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.75
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
3:Z:42:ILE:CD1	3:Z:75:LEU:CD1	2.54	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.75
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.16	0.75
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.75
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.75
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.75
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.75
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:800:LYS:C	1:C:801:LEU:N	2.44	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:503:GLU:O	1:C:755:LEU:O	1.80	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.75
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.75
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.84	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.75
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.75
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.75
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.67	0.75
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.75
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.75
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.75
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:500:TYR:CE2	1:C:707:PHE:O	2.40	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.75
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.75
1:C:503:GLU:CD	1:C:759:LYS:CD	2.56	0.75
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.75
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.75
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.75
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.75
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.75
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.75
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.75
1:C:800:LYS:O	1:C:804:GLN:HB2	1.87	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.75
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.75
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.75
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.75
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.75
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.75
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.49	0.75
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.50	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.21	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.75
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.75
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.75
1:C:341:THR:OG1	1:C:344:GLU:HG2	1.84	0.75
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.75
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.75
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.75
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.67	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.75
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.75
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.75
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.75
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.75
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.75
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.75
3:Z:18:PHE:CE2	3:Z:28:VAL:HB	2.20	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.50	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.75
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.75
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:503:GLU:HG2	1:C:756:GLY:CA	2.17	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.75
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.75
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.75
1:C:135:SER:HB2	3:Z:111:THR:O	1.77	0.75
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:479:TYR:OH	1:C:524:GLU:CB	2.31	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.75
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.75
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.75
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.75
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.75
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.75
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.75
1:C:502:LYS:CG	1:C:757:THR:CG2	2.17	0.75
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.75
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.75
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	2.00	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.75
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.75
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.30	0.75
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.75
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.75
1:C:800:LYS:CA	1:C:804:GLN:HB2	2.16	0.75
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.66	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.75
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.75
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.75
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.75
1:C:35:TRP:CD1	1:C:77:MET:HA	2.20	0.75
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.75
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.75
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.34	0.75
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.75
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.75
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.67	0.75
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.75
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.75
1:C:449:LYS:HZ1	3:Z:140:LYS:HZ3	1.32	0.75
2:Y:24:PHE:CZ	2:Y:28:ASP:OD2	2.38	0.75
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.75
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.75
1:C:800:LYS:CE	1:C:804:GLN:CG	2.65	0.75
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.75
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.75
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.75
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.75
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.75
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.75
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.75
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.75
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.75
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.75
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.75
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.75
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.75
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.75
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.75
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.75
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.75
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.75
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.75
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.75
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.75
1:C:499:GLU:HB3	1:C:710:ARG:CA	2.16	0.75
1:C:505:ILE:HG22	1:C:762:PHE:HA	1.54	0.75
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.75
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.75
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.75
2:Y:106:ILE:O	2:Y:109:ILE:CD1	2.33	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.75
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.75
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.75
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.75
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.75
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.75
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.75
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.75
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.75
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.75
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.75
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:705:LYS:O	1:C:706:GLY:C	2.28	0.75
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.51	0.75
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.75
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.75
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.75
2:Y:100:GLU:OE1	3:Z:126:ILE:HG23	1.86	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.75
1:C:497:GLN:NE2	1:C:754:ARG:CD	2.47	0.75
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.75
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.97	0.75
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.75
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.75
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.75
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.75
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.75
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.16	0.75
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.75
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.75
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.75
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.75
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.75
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.75
1:C:805:ARG:CD	3:Z:20:PHE:CE2	2.66	0.75
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.75
1:C:503:GLU:H	1:C:711:LEU:N	1.85	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.75
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.75
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.75
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.75
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.75
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.75
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.75
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.75
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.75
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.75
1:C:500:TYR:HH	1:C:707:PHE:C	1.94	0.75
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.75
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.75
2:Y:117:GLY:C	3:Z:20:PHE:CD1	2.63	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.75
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.75
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.75
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.75
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.75
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.22	0.75
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.75
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.75
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.22	0.75
1:C:371:GLN:CD	1:C:372:ALA:N	2.44	0.75
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.75
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.75
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.75
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.75
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.75
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75
1:C:166:ASP:HB2	1:C:719:ARG:HH11	1.50	0.75
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.75
1:C:503:GLU:HB2	1:C:754:ARG:HA	1.66	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:506:ALA:N	1:C:754:ARG:NH2	2.35	0.75
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.75
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.75
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.75
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	2.00	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.39	0.75
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.75
1:C:56:ILE:CG1	1:C:69:VAL:CG2	2.63	0.75
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.75
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.75
1:C:722:ILE:O	1:C:777:ARG:CD	2.35	0.75
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.75
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.75
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.75
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:313:ASN:H	1:C:313:ASN:HD22	1.32	0.75
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.75
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.66	0.75
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.75
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.75
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.75
2:Y:28:ASP:OD1	2:Y:35:VAL:HG12	1.85	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.75
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.75
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.75
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.75
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.75
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.75
1:C:60:ILE:HG13	1:C:60:ILE:O	1.84	0.75
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.75
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.75
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.75
1:C:555:HIS:CD2	1:C:559:ASN:HD22	2.03	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.75
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.75
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.75
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
2:Y:101:THR:OG1	3:Z:127:LYS:N	1.99	0.75
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.75
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.75
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
1:C:800:LYS:C	1:C:801:LEU:N	2.44	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.75
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.75
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.75
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.75
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.75
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.75
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.75
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.75
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.75
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75
1:C:503:GLU:O	1:C:757:THR:N	2.19	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.75
1:C:162:ASN:N	1:C:774:ARG:NH2	2.35	0.75
1:C:257:ILE:CD1	3:Z:108:HIS:ND1	2.50	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.75
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.75
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.75
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.75
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.75
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.75
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.75
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.75
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.75
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.75
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.75
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.75
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.75
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.75
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.75
1:C:507:TRP:CE3	1:C:707:PHE:HE1	2.04	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.75
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.75
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.39	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.75
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.75
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.75
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.75
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.75
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.75
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.75
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.75
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.75
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.75
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.75
1:C:498:GLU:O	1:C:755:LEU:O	2.04	0.75
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.75
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.75
1:C:505:ILE:HG23	1:C:754:ARG:N	2.00	0.75
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.75
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.75
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.75
2:Y:100:GLU:N	3:Z:128:LEU:HG	2.02	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.75
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.75
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.75
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.75
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.75
2:Y:30:ASP:OD2	2:Y:34:PHE:CZ	2.39	0.75
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.75
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.75
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.75
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.75
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.75
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.75
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.75
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.75
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.75
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.75
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.75
1:C:563:THR:HG1	1:C:579:GLU:CD	1.79	0.75
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.75
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.75
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.75
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.75
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.75
1:C:717:LYS:HZ2	1:C:738:VAL:CB	1.99	0.75
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.75
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.75
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.75
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.75
2:Y:106:ILE:CA	2:Y:109:ILE:CD1	2.61	0.75
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.75
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.75
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.75

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.75
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.75
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.75
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.75
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.34	0.75
2:Y:103:LYS:HD2	3:Z:126:ILE:HD12	1.69	0.75
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.67	0.75
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.75
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.75
1:C:280:ARG:HG2	1:C:281:ASN:N	2.00	0.75
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.75
1:C:725:PRO:CD	1:C:777:ARG:NH2	2.50	0.75
3:Z:111:THR:HA	3:Z:117:LEU:HD12	1.63	0.75
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.74
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.67	0.74
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.74
1:C:492:MET:HE3	1:C:493:PHE:HE2	1.02	0.74
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.74
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:256:LYS:C	3:Z:93:PHE:CD1	2.64	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.74
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.74
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.74
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.00	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.74
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.74
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.74
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.74
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.74
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.00	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.74
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.74
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.74
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.74
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.74
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.74
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.74
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.74
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.74
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.74
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.74
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.74
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.22	0.74
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.74
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.74
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.74
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.74
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.74
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.74
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.74
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
3:Z:120:GLU:HA	3:Z:123:ASP:OD1	1.85	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.74
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.74
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.74
1:C:800:LYS:O	1:C:803:ASP:N	2.20	0.74
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.74
2:Y:99:GLN:HG3	3:Z:124:GLU:O	1.85	0.74
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.74
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.74
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.74
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.74
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.74
1:C:280:ARG:HD2	1:C:286:TYR:CG	2.20	0.74
1:C:282:TYR:HE2	1:C:284:ILE:HB	1.43	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:335:PHE:O	1:C:340:PHE:CD2	2.39	0.74
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.74
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.74
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.74
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.74
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.74
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.74
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.74
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.32	0.74
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:358:MET:HE2	1:C:423:VAL:HA	1.69	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.74
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.74
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:454:TYR:CE1	3:Z:92:THR:HG21	2.19	0.74
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.48	0.74
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.74
1:C:507:TRP:CZ2	1:C:707:PHE:CZ	2.74	0.74
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.74
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.74
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.74
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.74
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.74
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.74
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.74
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.67	0.74
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.34	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.74
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.74
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.74
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.74
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:CG	2.74	0.74
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.74
1:C:503:GLU:CD	1:C:759:LYS:HB3	2.12	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.70	0.74
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.74
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.74
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.74
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:505:ILE:HG21	1:C:762:PHE:C	2.11	0.74
1:C:507:TRP:CB	1:C:754:ARG:CG	2.61	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:24:PHE:CE1	2:Y:35:VAL:HG13	2.20	0.74
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
1:C:705:LYS:C	1:C:706:GLY:C	2.55	0.74
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.74
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.74
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.74
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.74
1:C:504:GLY:O	1:C:760:VAL:CG1	2.34	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
1:C:800:LYS:HA	1:C:803:ASP:N	1.92	0.74
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.74
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.74
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.74
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.74
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.74
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.74
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.74
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.74
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.74
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.74
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.74
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.74
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.74
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.74
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
1:C:147:GLU:CD	1:C:771:GLU:C	2.54	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.74
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.74
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:286:TYR:HH	1:C:312:ILE:CD1	1.97	0.74
1:C:799:LYS:CG	1:C:803:ASP:CA	2.61	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.74
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.74
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:286:TYR:HH	1:C:312:ILE:CD1	1.97	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:286:TYR:HH	1:C:312:ILE:CD1	1.97	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.74
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.74
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.74
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:286:TYR:HH	1:C:312:ILE:CD1	1.97	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.74
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.74
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.74
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.74
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.74
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.74
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:286:TYR:HH	1:C:312:ILE:CD1	1.97	0.74
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.74
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.74
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.74
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.74
1:C:499:GLU:HB3	1:C:760:VAL:C	2.13	0.74
1:C:507:TRP:CE3	1:C:707:PHE:CE1	2.75	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.74
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:462:ALA:C	1:C:463:GLY:CA	2.59	0.74
1:C:498:GLU:CG	1:C:756:GLY:HA2	2.17	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:286:TYR:HH	1:C:312:ILE:CD1	1.97	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.83	0.74
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.74
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.74
1:C:749:ASP:O	1:C:753:TYR:CE2	2.39	0.74
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.74
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.74
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.74
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.74
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:43:PHE:HE1	1:C:688:LEU:CD1	1.98	0.74
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.74
1:C:503:GLU:HG3	1:C:761:PHE:CZ	2.22	0.74
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.74
1:C:500:TYR:CD1	1:C:707:PHE:CB	2.65	0.74
2:Y:101:THR:HA	3:Z:126:ILE:HG13	1.69	0.74
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.74
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.34	0.74
1:C:143:LYS:C	1:C:771:GLU:OE1	2.29	0.74
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.74
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.74
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.74
1:C:800:LYS:O	1:C:801:LEU:HD23	1.86	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.68	0.74
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.74
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.74
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.74
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.08	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.74
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.36	0.74
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.99	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.74
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.74
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.74
1:C:505:ILE:HG13	1:C:766:VAL:HG22	1.56	0.74
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.74
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.74
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.45	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.74
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.74
1:C:41:GLU:OE1	1:C:684:ALA:CB	2.35	0.74
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.74
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.00	0.74
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.74
1:C:501:LYS:CA	1:C:753:TYR:O	2.36	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.74
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.74
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.45	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.74
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.74
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.74
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.45	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.74
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.74
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.74
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.45	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.74
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.45	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.74
1:C:506:ALA:H	1:C:762:PHE:CB	1.94	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.74
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.74
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.74
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.74
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.45	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.74
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.74
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.45	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
1:C:778:LEU:O	1:C:782:ILE:CG1	2.33	0.74
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.48	0.74
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.00	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.22	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.74
1:C:358:MET:HE2	1:C:423:VAL:HA	1.69	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.16	0.74
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.74
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.74
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.74
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.74
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.74
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.74
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.74
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.74
1:C:497:GLN:C	1:C:754:ARG:HE	1.95	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
2:Y:99:GLN:N	3:Z:124:GLU:CB	2.50	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.74
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.74
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.74
1:C:508:GLU:HB2	1:C:751:ALA:CB	1.94	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.83	0.74
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.30	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.74
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.74
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:800:LYS:C	1:C:803:ASP:OD1	2.30	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.74
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.74
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.74
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.74
1:C:542:ALA:HB1	1:C:547:PHE:CZ	2.20	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.34	0.74
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:499:GLU:CG	1:C:710:ARG:NH1	2.42	0.74
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:287:GLN:NE2	1:C:327:GLU:CB	2.42	0.74
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.74
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.00	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.74
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.74
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.74
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.74
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
1:C:801:LEU:HD13	3:Z:17:LEU:HD21	0.81	0.74
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.74
1:C:800:LYS:CE	2:Y:95:MET:O	2.35	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.00	0.74
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.74
1:C:508:GLU:CD	1:C:752:GLU:CD	2.55	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.74
1:C:504:GLY:N	1:C:760:VAL:H	1.84	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.00	0.74
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.74
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.00	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.00	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:358:MET:HE2	1:C:423:VAL:HA	1.69	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.69	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.74
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.74
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.74
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.74
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.74
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.74
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.74
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.00	0.74
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.74
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.74
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.96	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
1:C:505:ILE:HD13	1:C:751:ALA:HA	1.57	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:167:ARG:NE	1:C:718:GLN:HE22	1.85	0.74
1:C:781:ILE:HG13	1:C:782:ILE:N	2.00	0.74
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.74
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
1:C:824:TRP:CD1	1:C:826:TRP:HB3	2.21	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.74
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.74
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.67	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:781:ILE:CD1	3:Z:89:ALA:HB2	2.15	0.74
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.74
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.67	0.74
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.74
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.74
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74
1:C:335:PHE:CE1	1:C:340:PHE:CB	2.65	0.74
1:C:569:THR:OG1	1:C:570:ARG:NH1	2.20	0.74
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.74
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.74
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.74
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
1:C:12:TYR:CE1	1:C:131:ILE:HG12	2.21	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:501:LYS:HB2	1:C:754:ARG:C	2.12	0.74
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.74
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
1:C:675:GLU:O	1:C:675:GLU:CG	2.34	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.74
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
2:Y:121:ASN:HD22	2:Y:124:GLU:HG3	1.45	0.74
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
1:C:254:THR:HB	1:C:782:ILE:HG23	0.78	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.74
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.74
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.74
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.74
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.74
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.74
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.74
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:812:GLN:HA	2:Y:120:PHE:HZ	1.50	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.36	0.74
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.74
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.74
1:C:503:GLU:HG2	1:C:760:VAL:O	1.88	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:749:ASP:O	1:C:753:TYR:CE2	2.40	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.74
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.74
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.74
1:C:728:ILE:HD13	3:Z:84:ALA:HB2	1.66	0.74
1:C:778:LEU:O	1:C:782:ILE:CG1	2.32	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.74
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.74
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.74
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.74
1:C:8:PRO:HD2	3:Z:115:GLU:HA	0.77	0.74
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.74
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.74
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.74
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.74
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.74
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.74
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.74
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.74
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.74
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.30	0.74
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.74
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.30	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.20	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.74
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:498:GLU:OE2	1:C:756:GLY:O	2.01	0.74
1:C:504:GLY:HA3	1:C:716:PHE:CE1	2.23	0.74
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.74
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.74
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.74
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.52	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	2.00	0.74
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.74
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.74
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.74
1:C:280:ARG:HG2	1:C:281:ASN:N	2.01	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.74
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	1.99	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:507:TRP:CD1	1:C:763:LYS:CB	2.35	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
1:C:799:LYS:CB	1:C:803:ASP:CB	2.50	0.74
1:C:800:LYS:CE	1:C:804:GLN:HG3	2.17	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:164:VAL:HA	1:C:778:LEU:HD11	1.69	0.74
1:C:167:ARG:CD	1:C:722:ILE:HD13	2.16	0.74
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.74
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.74
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.52	0.74
1:C:451:LYS:CG	3:Z:141:TYR:HB3	2.18	0.74
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.74
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
1:C:800:LYS:C	1:C:804:GLN:H	1.96	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.74
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.93	0.74
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.74
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.74
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.52	0.74
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.74
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.74
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.74
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.52	0.74
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:504:GLY:HA3	1:C:743:LEU:HD12	1.68	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.74
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.74
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.74
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.74
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.52	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.74
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.36	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.74
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.74
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.52	0.74
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.51	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
3:Z:5:GLN:HG2	3:Z:8:ILE:HD11	1.66	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.74
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.74
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.52	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.50	0.74
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.74
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.74
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.74
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.74
1:C:529:ILE:CG1	1:C:530:LEU:N	2.49	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.16	0.74
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.74
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.74
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.74
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.74
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
2:Y:108:TYR:CE1	3:Z:118:SER:CB	2.70	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.74
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.36	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.74
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.74
1:C:799:LYS:NZ	1:C:806:ILE:HD13	1.97	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.16	0.74
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
3:Z:44:PRO:HG3	3:Z:75:LEU:CG	2.15	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:507:TRP:HB2	1:C:754:ARG:HG2	1.69	0.74
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.74
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:503:GLU:HG3	1:C:761:PHE:CZ	2.17	0.74
1:C:85:LEU:CD2	1:C:87:ASP:C	2.59	0.74
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.74
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.74
1:C:131:ILE:CD1	1:C:131:ILE:O	2.34	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.74
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
1:C:808:LEU:O	1:C:811:ILE:HG13	1.86	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.74
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.74
1:C:501:LYS:HE2	1:C:740:GLU:OE1	1.87	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD11	1.65	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.74
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.74
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74
1:C:563:THR:HG1	1:C:579:GLU:CD	1.82	0.74
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:502:LYS:O	1:C:755:LEU:CD1	2.36	0.74
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
1:C:162:ASN:ND2	1:C:771:GLU:HG3	1.87	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.74
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:510:ILE:HG23	1:C:763:LYS:CD	2.17	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.74
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.74
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.74
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.22	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.74
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.74
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.74
1:C:147:GLU:HG3	1:C:774:ARG:HH21	1.53	0.74
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.74
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.74
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.74
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.74
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.22	0.74
1:C:563:THR:HG1	1:C:579:GLU:CD	1.82	0.74
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.74
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.74
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.74
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.51	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.74
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.67	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:182:LYS:HZ1	1:C:463:GLY:CA	1.99	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
1:C:507:TRP:HB3	1:C:753:TYR:HA	1.68	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.74
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.74
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.74
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:182:LYS:HZ1	1:C:463:GLY:CA	1.99	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.22	0.74
1:C:563:THR:HG1	1:C:579:GLU:CD	1.82	0.74
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.74
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.74
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.74
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.16	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.74
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.74
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.22	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:563:THR:HG1	1:C:579:GLU:CD	1.82	0.74
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:182:LYS:HZ1	1:C:463:GLY:CA	1.99	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.74
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.67	0.74
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:358:MET:HE2	1:C:423:VAL:HA	1.69	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.70	0.74
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.74
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.22	0.74
1:C:563:THR:HG1	1:C:579:GLU:CD	1.82	0.74
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.74
2:Y:141:TYR:HB2	3:Z:127:LYS:HE2	1.70	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.74
1:C:182:LYS:HZ1	1:C:463:GLY:CA	1.99	0.74
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.74
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.53	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.74
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.74
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.74
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.74
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.74
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.74
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.74
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.74
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.53	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.74
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:116:MET:HE1	3:Z:21:TRP:CD1	2.23	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.00	0.74
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:507:TRP:CZ3	1:C:707:PHE:CA	2.61	0.74
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.74
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.74
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.74
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.53	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.74
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.74
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.74
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
2:Y:106:ILE:O	2:Y:109:ILE:HD13	1.86	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.53	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.74
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.32	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.74
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.74
1:C:358:MET:HE2	1:C:423:VAL:HA	1.69	0.74
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.53	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.74
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.00	0.74
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.53	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.53	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.74
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.74
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.74
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.00	0.74
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.74
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.74
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.74
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.74
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.74
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.74
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.74
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.74
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.34	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
2:Y:102:LYS:CA	3:Z:127:LYS:HD2	2.16	0.74
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.74
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.74
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.22	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.74
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.74
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.74
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.74
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.74
1:C:504:GLY:CA	1:C:760:VAL:CG1	2.64	0.74
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.74
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.74
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.74
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.74
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.74
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.48	0.74
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.74
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.74
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.74
1:C:506:ALA:C	1:C:766:VAL:HG11	2.11	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.74
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.74
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.74
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.74
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.74
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.74
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.74
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.74
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.74
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.23	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.74
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.74
2:Y:116:MET:SD	3:Z:22:ASP:HA	2.28	0.74
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.00	0.74
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
1:C:505:ILE:N	1:C:710:ARG:CA	2.41	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
1:C:503:GLU:HG3	1:C:761:PHE:CZ	2.17	0.74
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.74
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.74
1:C:503:GLU:HG3	1:C:761:PHE:CZ	2.17	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.74
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.74
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
1:C:500:TYR:HB2	1:C:754:ARG:CG	2.18	0.74
1:C:335:PHE:O	1:C:340:PHE:CD2	2.39	0.74
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.74
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.74
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.74
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.74
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.74
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.74
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.74
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.74
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.74
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.74
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.74
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.74
1:C:743:LEU:HD11	1:C:762:PHE:CZ	2.21	0.74
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.74
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.74
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.74
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.74
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.74
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.74
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.74
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.74
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.74
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.74
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.74
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.74
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.74
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.74
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.74
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.74
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.74
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.74
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.74
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.74
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.74
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.74
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.74
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.74
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.74
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.74
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.74
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.74
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.74
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.74
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.74
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.74
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.74
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.74
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.74
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	2.01	0.74
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.95	0.74

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.74
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.74
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.74
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.74
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.74
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.74
1:C:311:PHE:CD1	1:C:312:ILE:HG22	2.21	0.74
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.74
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.74
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.74
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.74
1:C:227:GLU:CD	1:C:231:ASN:OD1	2.29	0.74
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.74
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.01	0.74
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.74
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.74
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.74
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.74
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.74
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.74
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.74
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.74
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.74
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.74
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.74
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.74
1:C:805:ARG:HB2	3:Z:21:TRP:HZ3	1.52	0.74
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.74
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.73
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.73
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.73
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.06	0.73
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.73
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.43	0.73
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.73
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.73
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
1:C:504:GLY:O	1:C:767:LEU:HD13	1.87	0.73
1:C:510:ILE:C	1:C:751:ALA:CB	2.60	0.73
1:C:799:LYS:O	1:C:801:LEU:N	2.21	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.73
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.43	0.73
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.73
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:242:ARG:HH22	1:C:282:TYR:HA	1.43	0.73
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.73
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.73
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.73
1:C:165:THR:CG2	1:C:715:GLU:OE2	2.35	0.73
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.73
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
1:C:796:LYS:HE2	3:Z:128:LEU:HD22	1.53	0.73
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.73
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.73
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.73
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.73
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
1:C:503:GLU:OE1	1:C:760:VAL:CG2	2.35	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.73
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.73
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.73
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.73
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.73
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.73
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.91	0.73
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.73
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.73
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.73
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.73
1:C:773:MET:C	1:C:776:GLU:HB2	2.13	0.73
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.73
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.73
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.73
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.73
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.73
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.73
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.73
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.56	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.73
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.73
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.73
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.73
1:C:358:MET:HE2	1:C:423:VAL:HA	1.69	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.73
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.73
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.73
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.73
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.73
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.73
1:C:417:ASN:HA	1:C:420:VAL:HG22	1.68	0.73
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.73
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.73
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.73
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.73
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	2.00	0.73
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.73
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.73
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.73
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.73
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.73
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.73
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.73
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.73
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.73
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.20	0.73
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.73
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.73
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.73
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.73
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.73
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.73
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.73
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.73
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.73
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.73
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.88	0.73
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.73
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.73
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.73
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.73
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.73
1:C:501:LYS:HB2	1:C:750:PRO:C	2.10	0.73
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.73
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.73
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.73
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.73
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.73
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.73
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.73
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.73
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.73
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.73
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.73
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.73
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.73
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.23	0.73
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.00	0.73
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.73
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.73
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.52	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.73
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.36	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.73
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.73
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.16	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.73
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.73
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.73
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.73
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.73
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
1:C:800:LYS:O	1:C:804:GLN:N	2.19	0.73
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.34	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.73
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.16	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
2:Y:99:GLN:N	3:Z:124:GLU:HB3	2.02	0.73
2:Y:104:LEU:C	3:Z:120:GLU:CG	2.60	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.73
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.16	0.73
2:Y:108:TYR:CZ	3:Z:118:SER:OG	2.40	0.73
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.73
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.73
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.73
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.73
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.89	0.73
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.73
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.73
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.73
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.73
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.73
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.73
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.73
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.73
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.73
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.16	0.73
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.73
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.73
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.73
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.73
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.73
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.73
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.73
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.49	0.73
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.73
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.69	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.73
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.73
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:417:ASN:ND2	1:C:418:GLN:N	2.36	0.73
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.16	0.73
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.73
3:Z:123:ASP:C	3:Z:126:ILE:HG12	2.11	0.73
1:C:502:LYS:O	1:C:757:THR:HG23	1.86	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.73
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.73
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.73
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.73
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.73
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.73
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.73
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.23	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.73
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.73
1:C:503:GLU:HG3	1:C:761:PHE:CE1	2.21	0.73
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.73
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
1:C:448:THR:CA	3:Z:102:SER:HB3	2.09	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.73
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:499:GLU:OE1	1:C:756:GLY:HA3	1.89	0.73
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.73
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.73
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.73
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.73
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:800:LYS:C	1:C:801:LEU:HA	2.12	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.00	0.73
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.73
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.70	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.73
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.73
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.73
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.73
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.73
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.73
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.73
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.73
1:C:804:GLN:OE1	3:Z:21:TRP:CZ2	2.40	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.73
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.73
1:C:335:PHE:CD2	1:C:345:LYS:CG	2.70	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.91	0.73
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.73
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.73
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.73
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.73
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.73
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.67	0.73
1:C:162:ASN:CB	1:C:170:GLN:NE2	2.50	0.73
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.73
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.73
1:C:506:ALA:HB3	1:C:754:ARG:NH2	2.04	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.70	0.73
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.53	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.73
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.73
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.73
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.73
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.73
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.73
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.73
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.73
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.73
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.73
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.73
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.73
1:C:146:THR:H	1:C:771:GLU:CA	1.90	0.73
1:C:147:GLU:HG2	1:C:771:GLU:HA	1.66	0.73
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.73
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:190:ILE:CD1	1:C:219:ILE:CD1	2.65	0.73
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.73
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.73
1:C:507:TRP:CB	1:C:754:ARG:HG3	2.18	0.73
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.73
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.73
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.73
1:C:502:LYS:HG3	1:C:757:THR:CG2	2.11	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.73
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.73
1:C:358:MET:HE2	1:C:423:VAL:HA	1.68	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.73
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.73
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.73
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.06	0.73
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.73
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.73
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.73
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.02	0.73
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.73
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.73
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.73
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.73
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.73
1:C:146:THR:HG23	1:C:768:GLY:C	1.31	0.73
1:C:165:THR:CG2	1:C:718:GLN:OE1	2.36	0.73
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.73
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.73
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.36	0.73
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.73
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.73
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.73
1:C:505:ILE:HG12	1:C:762:PHE:O	1.88	0.73
1:C:507:TRP:HB3	1:C:753:TYR:CA	2.18	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.73
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73
1:C:801:LEU:CD1	3:Z:17:LEU:HD11	2.18	0.73
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.73
1:C:805:ARG:CD	3:Z:17:LEU:HA	2.17	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.73
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.73
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.73
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.73
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.00	0.73
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.73
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.73
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.73
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.73
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.73
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.73
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.73
1:C:498:GLU:O	1:C:756:GLY:CA	2.36	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.73
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.73
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.73
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.73
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.73
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.73
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.73
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.73
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.73
1:C:501:LYS:N	1:C:761:PHE:H	1.55	0.73
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.73
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.53	0.73
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.73
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.73
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.73
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.73
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.73
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.73
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.73
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.73
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.73
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.73
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.73
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.73
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.73
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.73
1:C:175:THR:CG2	1:C:484:LEU:HD11	2.17	0.73
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.73
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.73
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.51	0.73
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.88	0.73
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.73
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.73
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.73
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.73
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.73
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.36	0.73
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.73
1:C:832:LYS:CE	2:Y:47:LEU:HB2	2.13	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.73
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.73
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.73
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.73
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.73
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.73
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.73
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.73
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.73
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.73
1:C:811:ILE:HG13	1:C:812:GLN:N	2.00	0.73
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.73
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.23	0.73
1:C:595:LEU:CD2	1:C:596:GLU:HG2	2.17	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.73
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.73
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.73
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.52	0.73
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.42	0.73
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.42	0.73
1:C:505:ILE:HG22	1:C:710:ARG:N	2.03	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.42	0.73
1:C:498:GLU:O	1:C:756:GLY:N	2.22	0.73
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.73
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.73
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.52	0.73
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.42	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.73
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.73
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.73
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.73
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.89	0.73
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.42	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.42	0.73
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.73
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.06	0.73
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.73
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.73
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.73
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.73
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.73
1:C:453:ASN:CG	3:Z:95:ARG:HD2	2.14	0.73
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.45	0.73
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
2:Y:100:GLU:HB3	3:Z:125:ILE:C	2.14	0.73
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.73
1:C:505:ILE:HG23	1:C:754:ARG:H	1.51	0.73
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.73
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.06	0.73
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.73
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.73
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.73
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.88	0.73
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.73
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.73
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.73
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.06	0.73
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.73
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.73
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.73
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.73
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.73
1:C:795:ARG:NH1	3:Z:41:GLY:O	2.20	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:260:ALA:HB3	1:C:446:LEU:HD13	1.70	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.69	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.73
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.73
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.73
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.73
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.73
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.73
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.06	0.73
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.73
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.73
1:C:643:GLN:OE1	1:C:643:GLN:O	2.05	0.73
1:C:723:LEU:C	1:C:777:ARG:NH2	2.43	0.73
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.73
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.73
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.73
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.73
1:C:503:GLU:HB2	1:C:761:PHE:HE1	0.71	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:144:ARG:HH11	1:C:719:ARG:NH1	1.82	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.48	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.73
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.00	0.73
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.73
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.73
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.73
1:C:257:ILE:O	3:Z:105:GLU:HB3	1.89	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.73
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:115:ASN:H	2:Y:115:ASN:HD22	1.33	0.73
1:C:507:TRP:C	1:C:764:ALA:C	2.30	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.73
1:C:500:TYR:CD1	1:C:761:PHE:HD2	1.86	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.23	0.73
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.73
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	2.00	0.73
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.73
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.73
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.73
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
1:C:267:LEU:CD1	1:C:435:PHE:CG	2.70	0.73
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.73
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	2.00	0.73
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.73
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.73
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.73
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.73
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.73
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.73
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.73
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.73
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.73
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.73
1:C:800:LYS:O	1:C:804:GLN:HB2	1.88	0.73
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.73
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.73
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.73
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.73
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.73
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.73
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.73
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.73
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.73
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.73
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.73
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.73
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.73
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.73
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.73
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.73
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.73
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.73
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.73
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.73
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.73
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
1:C:801:LEU:HB2	3:Z:17:LEU:HD11	1.71	0.73
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.73
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:507:TRP:CH2	1:C:706:GLY:C	2.66	0.73
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:503:GLU:C	1:C:760:VAL:CA	2.60	0.73
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.73
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.73
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.73
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.73
1:C:319:VAL:CG2	1:C:322:ILE:CB	2.58	0.73
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.73
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:35:TRP:CE3	1:C:97:ALA:HB1	2.23	0.73
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.73
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.73
1:C:505:ILE:HD11	1:C:762:PHE:HA	1.71	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:507:TRP:HB2	1:C:754:ARG:CG	2.18	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.73
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.73
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.73
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.45	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.73
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.73
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.73
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.73
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.73
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.97	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.70	0.73
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:507:TRP:N	1:C:754:ARG:HH11	1.82	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.73
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.73
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.73
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.73
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
1:C:563:THR:HG1	1:C:579:GLU:CD	1.81	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.35	0.73
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.73
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.73
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
3:Z:122:VAL:O	3:Z:125:ILE:HD13	1.87	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:563:THR:HG1	1:C:579:GLU:CD	1.81	0.73
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.73
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.73
1:C:498:GLU:O	1:C:761:PHE:CE1	2.41	0.73
1:C:563:THR:HG1	1:C:579:GLU:CD	1.81	0.73
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.73
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.73
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.73
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.73
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.73
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.73
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.73
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.01	0.73
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.00	0.73
1:C:563:THR:HG1	1:C:579:GLU:CD	1.81	0.73
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.73
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.73
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.73
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.73
1:C:563:THR:HG1	1:C:579:GLU:CD	1.81	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.73
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:563:THR:HG1	1:C:579:GLU:CD	1.81	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.23	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:799:LYS:HG2	2:Y:95:MET:SD	2.29	0.73
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:725:PRO:HB3	3:Z:85:ASP:OD2	1.87	0.73
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.73
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.73
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.73
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.73
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.73
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.73
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.73
1:C:801:LEU:HD12	3:Z:21:TRP:CE3	2.20	0.73
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.97	0.73
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.73
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.73
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.73
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.73
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.73
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.73
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.73
1:C:358:MET:HE2	1:C:423:VAL:HA	1.69	0.73
1:C:473:GLU:H	1:C:597:LYS:HZ3	1.13	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
1:C:293:ILE:HD13	1:C:328:PHE:CE2	2.14	0.73
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.54	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.73
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.73
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.73
1:C:129:LEU:CD1	1:C:129:LEU:H	2.00	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.48	0.73
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.73
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.73
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
1:C:507:TRP:HB2	1:C:763:LYS:CA	2.18	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.73
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.73
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.73
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.73
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.73
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.73
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.73
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.73
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.73
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.73
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.73
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.73
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.73
2:Y:93:PHE:CZ	2:Y:104:LEU:CG	2.70	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:164:VAL:CA	1:C:778:LEU:CD1	2.65	0.73
1:C:452:ARG:O	3:Z:91:LYS:HA	1.87	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.73
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.73
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.73
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.73
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.73
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.73
1:C:501:LYS:CD	1:C:755:LEU:CA	2.23	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.73
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.73
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.73
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.73
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.73
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.73
1:C:772:GLU:OE1	1:C:776:GLU:HG3	1.87	0.73
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.73
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.73
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
2:Y:119:ASN:O	2:Y:119:ASN:ND2	2.20	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.73
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.88	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.73
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.73
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.73
1:C:802:GLN:CG	3:Z:17:LEU:HD12	2.18	0.73
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.73
1:C:254:THR:HG23	3:Z:105:GLU:CA	2.11	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:479:TYR:HD1	1:C:523:ILE:HG21	1.46	0.73
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.73
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
1:C:147:GLU:OE2	3:Z:95:ARG:O	2.06	0.73
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.73
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.73
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.41	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.88	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.73
1:C:225:VAL:O	1:C:229:TYR:HD1	1.70	0.73
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.73
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.73
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.08	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73
2:Y:116:MET:CE	3:Z:21:TRP:HE1	2.02	0.73
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.73
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
1:C:195:LYS:NZ	3:Z:108:HIS:HD1	1.83	0.73
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.73
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.73
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.73
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.73
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.23	0.73
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.73
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.73
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.73
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.70	0.73
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.73
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.73
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:800:LYS:HG3	1:C:804:GLN:HG3	1.70	0.73
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
1:C:503:GLU:CG	1:C:761:PHE:HZ	1.89	0.73
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.73
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.73
1:C:497:GLN:O	1:C:761:PHE:CG	2.39	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.73
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:243:PHE:HE2	1:C:245:LYS:HG2	1.49	0.73
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.73
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.73
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.73
1:C:272:VAL:HG23	1:C:273:THR:N	2.01	0.73
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.73
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.73
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.73
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.69	0.73
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.52	0.73
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.73
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.73
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.73
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.73
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.73
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.69	0.73
1:C:800:LYS:HZ1	2:Y:95:MET:CB	1.98	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.69	0.73
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.35	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.00	0.73
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.73
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.73
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.73
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.73
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.73
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.73
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.73
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.73
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.69	0.73
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.73
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.69	0.73
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.73
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.73
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.73
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.73
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.69	0.73
1:C:802:GLN:HE21	3:Z:17:LEU:CD1	1.96	0.73
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.73
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.73
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.73
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.73
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.73
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
1:C:800:LYS:C	1:C:801:LEU:N	2.46	0.73
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.73
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.73
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.73
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.73
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.73
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.73
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.73
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.73
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.73
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.13	0.73
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.73
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.73
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.73
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.73
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.73
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.54	0.73
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.34	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.73
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.73
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.73
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.73
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.73
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.73
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.08	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.73
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.73
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.73
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.73
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.73
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.73
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.73
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.73
1:C:582:HIS:CD2	1:C:583:TYR:CG	2.58	0.73
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.49	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.73
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.73
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.73
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.73
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.73
2:Y:23:ALA:O	2:Y:27:ILE:HG23	1.87	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.73
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.73
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.73
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.73
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.73
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.73
1:C:352:THR:HG23	1:C:434:MET:HE1	1.68	0.73
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.73
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.73
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.68	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.73
1:C:507:TRP:HB3	1:C:752:GLU:C	2.13	0.73
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.73
3:Z:4:SER:OG	3:Z:7:GLU:CG	2.36	0.73
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.73
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.73
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.23	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.54	0.73
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.73
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.73
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.73
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.73
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.73
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.73
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.73
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.73
1:C:500:TYR:O	1:C:761:PHE:C	2.29	0.73
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.73
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.13	0.73
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.73
2:Y:93:PHE:CG	2:Y:141:TYR:CD2	2.76	0.73
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.73
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.73
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.73
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.73
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.73
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.73
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.73
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.73
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.73
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.73
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.73
1:C:499:GLU:HA	1:C:759:LYS:C	2.13	0.73
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.73
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.73
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.73
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.73
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.73
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.73
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.73
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.73
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.73
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.73
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.73
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.73
1:C:143:LYS:HG2	3:Z:95:ARG:HD2	1.71	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.73
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.73
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.73
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.73
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.73
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.73
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.73
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.73
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.73
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.73
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.73
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.73
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.73
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.73
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.73
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.73
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.68	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.73
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.73
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.73
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.73
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.73
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.73
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.73
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.73
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.73
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.73
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.73
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.73
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.73
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.73
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.73
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.73
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.73
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.73
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.73
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.73
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.73
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.73
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.73
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.73
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.73
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.73
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.73
1:C:144:ARG:HB3	1:C:771:GLU:HG3	1.66	0.73
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.73
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.73
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.73
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.73
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.73
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.29	0.73
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.73
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.73
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.73

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.73
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.73
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.73
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.73
1:C:675:GLU:O	1:C:675:GLU:CG	2.35	0.73
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.73
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.73
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.73
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.73
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.72
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.72
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.72
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.72
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.72
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.72
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.72
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.72
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.72
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.72
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.72
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:449:LYS:CE	3:Z:140:LYS:HE2	2.19	0.72
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.72
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.72
1:C:493:PHE:CA	1:C:754:ARG:NH2	2.37	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.72
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.24	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.72
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.72
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.85	0.72
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.72
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.72
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.72
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.72
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.72
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.72
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.72
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.72
1:C:312:ILE:O	1:C:312:ILE:HG13	1.86	0.72
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.72
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.72
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.72
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.72
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.72
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.72
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.72
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.72
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.72
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.72
3:Z:122:VAL:HA	3:Z:125:ILE:HD11	1.68	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.72
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.72
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.29	0.72
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.72
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.72
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.72
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.72
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.29	0.72
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:507:TRP:HA	1:C:763:LYS:HB2	0.84	0.72
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.72
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.72
1:C:800:LYS:CE	1:C:804:GLN:CA	1.75	0.72
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.51	0.72
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.72
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.72
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.72
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.72
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.72
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.70	0.72
2:Y:20:MET:HE3	2:Y:73:LEU:CD2	2.14	0.72
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.72
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.72
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.72
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.72
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.72
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.72
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.72
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.72
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.72
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.72
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.72
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.72
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.72
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.72
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.72
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.72
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.72
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.72
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.72
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.72
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.72
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.72
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.72
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.72
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.72
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.72
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.72
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.72
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.72
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.72
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.72
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.72
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.72
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.72
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.72
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:473:GLU:O	1:C:477:ILE:HG23	1.87	0.72
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.72
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.70	0.72
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.72
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.72
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.72
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.72
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.72
2:Y:109:ILE:HG12	2:Y:110:LYS:H	1.48	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.72
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.72
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.72
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.72
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.72
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.72
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.72
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:496:GLU:CA	1:C:761:PHE:HE2	2.01	0.72
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.72
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.72
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.72
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.72
1:C:100:LEU:CD1	1:C:688:LEU:HA	2.15	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.72
1:C:671:ILE:HG13	1:C:671:ILE:O	1.86	0.72
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.72
3:Z:119:ASP:C	3:Z:122:VAL:CG1	2.61	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.29	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
1:C:505:ILE:HB	1:C:754:ARG:HB2	1.62	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.84	0.72
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.72
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.29	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.29	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:138:ALA:HB3	3:Z:113:LEU:HB2	1.71	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.72
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.29	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.72
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.72
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.72
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.72
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.72
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.29	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.72
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.54	0.72
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.72
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.72
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.29	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.69	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
1:C:498:GLU:C	1:C:761:PHE:CE1	2.67	0.72
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.72
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.72
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.72
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.04	0.72
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.72
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
1:C:802:GLN:NE2	3:Z:17:LEU:HB2	2.03	0.72
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.72
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.72
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.24	0.72
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.72
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.88	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.72
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.89	0.72
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.72
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.72
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.72
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.72
1:C:563:THR:HG1	1:C:579:GLU:CD	1.83	0.72
1:C:788:HIS:HE1	3:Z:149:MET:N	1.85	0.72
1:C:801:LEU:HD11	3:Z:17:LEU:HD21	0.73	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.72
1:C:563:THR:HG1	1:C:579:GLU:CD	1.83	0.72
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.72
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.72
1:C:146:THR:CG2	1:C:768:GLY:N	2.44	0.72
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.72
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.72
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.72
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.72
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.72
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.72
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:185:ASN:O	1:C:189:VAL:HG23	1.88	0.72
1:C:506:ALA:H	1:C:754:ARG:HE	1.37	0.72
1:C:799:LYS:C	1:C:803:ASP:OD1	2.32	0.72
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.72
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.72
1:C:563:THR:HG1	1:C:579:GLU:CD	1.83	0.72
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.70	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.72
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.72
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:319:VAL:HG23	1:C:319:VAL:O	1.87	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.72
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.52	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
2:Y:84:ASP:OD2	2:Y:89:ILE:CG2	2.36	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.72
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.72
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.29	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.90	0.72
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.72
1:C:800:LYS:C	1:C:802:GLN:N	2.48	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.72
1:C:563:THR:HG1	1:C:579:GLU:CD	1.83	0.72
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.72
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.72
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:507:TRP:CZ3	1:C:707:PHE:CD1	2.63	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.54	0.72
1:C:257:ILE:HG12	3:Z:105:GLU:CD	2.13	0.72
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.72
1:C:449:LYS:CA	3:Z:100:PHE:HD2	1.47	0.72
2:Y:117:GLY:HA2	3:Z:20:PHE:CB	2.18	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
1:C:497:GLN:C	1:C:761:PHE:CB	2.61	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.72
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.72
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.72
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.72
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.53	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.72
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.72
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.72
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.72
1:C:801:LEU:HD22	3:Z:21:TRP:CZ3	2.24	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.72
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.23	0.72
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.68	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.72
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.72
1:C:500:TYR:CB	1:C:754:ARG:HB2	2.18	0.72
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
1:C:802:GLN:NE2	3:Z:17:LEU:CB	2.50	0.72
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:781:ILE:HD13	3:Z:89:ALA:CB	2.16	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:H	2.01	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.72
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.72
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.72
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.72
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.72
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.72
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.72
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.72
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.72
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.72
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.72
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.72
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
2:Y:138:LYS:HZ2	3:Z:123:ASP:CA	2.02	0.72
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.69	0.72
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.72
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:499:GLU:HB3	1:C:761:PHE:HZ	1.54	0.72
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.72
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.72
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.72
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.72
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.72
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.97	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:505:ILE:CB	1:C:754:ARG:O	2.11	0.72
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.72
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.72
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.72
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
1:C:332:ASP:HA	1:C:345:LYS:CE	2.19	0.72
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.72
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.72
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.72
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.72
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:505:ILE:HD12	1:C:755:LEU:N	1.74	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.52	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.89	0.72
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.72
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.54	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.54	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.69	0.72
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.72
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.52	0.72
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.69	0.72
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.71	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.72
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.72
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:504:GLY:C	1:C:755:LEU:HB3	2.12	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.90	0.72
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.72
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.72
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.72
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	2.04	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.25	0.72
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.72
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.72
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.72
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.72
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.72
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.72
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.72
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.82	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.72
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.72
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.72
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.72
1:C:25:THR:CG2	1:C:26:ALA:N	2.50	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.72
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.72
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.72
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.25	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.72
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.72
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.72
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.72
1:C:501:LYS:NZ	1:C:743:LEU:CD2	2.48	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.72
1:C:832:LYS:HZ3	2:Y:48:GLY:N	1.86	0.72
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.72
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.72
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.88	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.23	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.72
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.72
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.72
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.72
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.72
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.72
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:504:GLY:C	1:C:762:PHE:HE2	1.97	0.72
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:332:ASP:HA	1:C:345:LYS:CE	2.18	0.72
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.72
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.72
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.72
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.72
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.72
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.72
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.72
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.72
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.72
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.72
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.72
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.72
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.72
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.72
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:703:CYS:HB2	1:C:764:ALA:CB	2.20	0.72
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.72
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.71	0.72
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.72
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.72
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.72
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.72
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.72
2:Y:89:ILE:CG1	2:Y:145:THR:CG2	2.66	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.72
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.72
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.72
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.72
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.72
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.68	0.72
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.72
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.72
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.72
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.72
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.72
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.72
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.97	0.72
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.72
1:C:147:GLU:HB2	1:C:771:GLU:O	1.89	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.14	0.72
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.72
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.72
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.72
1:C:221:GLN:CB	1:C:337:ILE:HD11	2.18	0.72
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.72
1:C:505:ILE:CD1	1:C:754:ARG:HB3	2.13	0.72
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.72
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.72
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:OE2	2:Y:149:LYS:CE	2.34	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.72	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.72
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.72
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.72
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.72
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.72
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.72
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.72
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.72
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.72
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.51	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.72
1:C:508:GLU:HA	1:C:766:VAL:CG1	2.19	0.72
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.72
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.72
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.72
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.72
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.72
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.72
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.72
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.72
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.72
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.72
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.72
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:805:ARG:HD2	3:Z:21:TRP:N	2.05	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.72
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.72
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.72
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.68	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
1:C:81:LYS:HZ1	1:C:772:GLU:CG	1.74	0.72
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.72
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.72
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.72
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.72
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
1:C:505:ILE:HD12	1:C:767:LEU:CG	2.18	0.72
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.89	0.72
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.72
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.72
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.72
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.72
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.72
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.72
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.72
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.72
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.72
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.72
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.72
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.89	0.72
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.90	0.72
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.29	0.72
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.25	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.72
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.72
1:C:595:LEU:HD11	1:C:596:GLU:HG2	1.70	0.72
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.72
1:C:282:TYR:HE2	1:C:285:PHE:H	1.27	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.72
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.53	0.72
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.72
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.72
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.72
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.72
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.08	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:CB	2.71	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
1:C:705:LYS:C	1:C:706:GLY:C	2.58	0.72
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.24	0.72
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.72
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.72
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.72
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.72
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.72
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.72
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.72
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.72
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.69	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:507:TRP:HB3	1:C:754:ARG:HG2	1.72	0.72
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.72
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	2.02	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.72
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:799:LYS:CD	2:Y:95:MET:HG3	2.19	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.72
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.72
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.72
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.72
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.72
1:C:800:LYS:O	1:C:804:GLN:N	2.22	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.72
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.70	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:503:GLU:O	1:C:760:VAL:CA	2.38	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.72
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.88	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
2:Y:97:ASP:OD2	3:Z:124:GLU:OE1	2.07	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.72
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.72
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.72
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.72
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.72
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.72
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.72
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.72
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.72
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.72
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.72
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.72
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.72
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.72
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.72
1:C:563:THR:HG1	1:C:579:GLU:CD	1.83	0.72
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.72
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.72
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.72
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.90	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.72
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.72
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:195:LYS:NZ	3:Z:108:HIS:HE1	1.85	0.72
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.72
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.72
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.69	0.72
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.72
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.72
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.72
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.72
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.72
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.72
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.19	0.72
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.72
1:C:505:ILE:C	1:C:753:TYR:HB2	2.14	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.72
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.19	0.72
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.72
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.55	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.19	0.72
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.72
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.68	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.72
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.06	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.72
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.72	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.19	0.72
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.72
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.72
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.72
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.06	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:394:LEU:HD23	1:C:609:LEU:HD12	1.70	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.72
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.19	0.72
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.72
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.72
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.72
1:C:722:ILE:HG12	1:C:777:ARG:NE	1.68	0.72
1:C:785:PHE:CE1	3:Z:148:VAL:HG21	2.23	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.19	0.72
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.72
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.72
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.72
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.72
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.72
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.72
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.72
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.72
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.72
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.72
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.72
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.72
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.72
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.72
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.72
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.72
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.72
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.72
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.72
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.72
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.72
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.72
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.72
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.72
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.72
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.72
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.72
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.72
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.25	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.72
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.72
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.72
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.72
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.72
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.72
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.72
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.72
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.72
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.72
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.72
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.72
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.72
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.72
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.51	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.72
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.72
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.72
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.72
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.72
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.54	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.72
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.72
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.72
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.72
1:C:164:VAL:O	1:C:722:ILE:HD11	1.89	0.72
1:C:256:LYS:NZ	3:Z:112:ALA:HB3	2.03	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.72
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.72
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.72
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.72
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.72
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.72
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.72
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.72
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.72
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.72
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.72
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.72
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.72
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.72
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.72
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.72
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.72
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.72
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.72
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.72
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.72
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.72
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.72
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.72
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.72
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.72
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.72
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.72
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.72
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.72
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.72
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:495:LEU:O	1:C:761:PHE:HZ	1.68	0.72
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.72
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.72
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.72
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.72
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:505:ILE:CB	1:C:763:LYS:N	2.49	0.72
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.72
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.72
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.72
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.72
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.72
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.72
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.72
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.72
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.72
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.72
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.72
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.72
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.72
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.72
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.72
3:Z:49:VAL:O	3:Z:52:VAL:HG22	1.88	0.72
1:C:35:TRP:NE1	1:C:77:MET:HA	2.02	0.72
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.72
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.72
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.72
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.72
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.72
1:C:505:ILE:HB	1:C:709:SER:CB	2.17	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.72
1:C:800:LYS:C	1:C:802:GLN:H	1.95	0.72
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.72
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.72
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.32	0.72
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.72
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.72
1:C:800:LYS:HA	1:C:804:GLN:N	2.05	0.72
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.72
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.72
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.72
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.72
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.72
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.72
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.72
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.72
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.72
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.72
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.72
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.72
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.72

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.72
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.72
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.72
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.72
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.72
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.72
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.25	0.72
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.72
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.72
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.72
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.19	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.72
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.72
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.72
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.72
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.72
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.72
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.72
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.72
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.72
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.72
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.88	0.72
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.72
1:C:144:ARG:NH1	1:C:723:LEU:CD1	2.52	0.72
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.72
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.72
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.72
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.72
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.72
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.72
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.72
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.72
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.72
2:Y:29:VAL:C	2:Y:31:ARG:H	1.95	0.72
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.72
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.72
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.71
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.71
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.71
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.71
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.71
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.71
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.71
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.71
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.71
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.71
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.71
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.71
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.71
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.71
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.71
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.71
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.71
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.71
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.71
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.71
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.71
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.71
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.71
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.71
3:Z:37:CYS:O	3:Z:42:ILE:HG13	1.88	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.71
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.71
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.71
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.71
1:C:503:GLU:C	1:C:760:VAL:CG1	1.90	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.71
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.71
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.71
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
1:C:643:GLN:O	1:C:643:GLN:CD	2.32	0.71
2:Y:93:PHE:CD1	2:Y:141:TYR:CD1	2.77	0.71
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.71
1:C:472:PHE:CE2	1:C:476:CYS:SG	2.82	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.71
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.71
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.71
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.71
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.71
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.54	0.71
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.89	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:482:GLU:OE1	1:C:582:HIS:CE1	2.33	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.71
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.71
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.71
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.71
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.71
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.71
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.71
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.71
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.71
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.71
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.71
1:C:500:TYR:HA	1:C:761:PHE:CG	2.25	0.71
1:C:800:LYS:CA	1:C:803:ASP:N	2.52	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.71
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.71
1:C:389:ILE:HD11	1:C:394:LEU:HG	0.77	0.71
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.71
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.71
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.06	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.71
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.71
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.71
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.71
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.71
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.71
2:Y:107:GLU:OE2	3:Z:119:ASP:CG	2.32	0.71
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:488:PHE:HE2	1:C:492:MET:SD	2.12	0.71
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.71
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.71
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.71
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.90	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71
1:C:717:LYS:NZ	1:C:738:VAL:HG11	2.02	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.73	0.71
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.71
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.71
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.71
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.71
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.71
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:101:THR:HG21	3:Z:125:ILE:HD13	1.71	0.71
2:Y:121:ASN:ND2	2:Y:124:GLU:CB	2.51	0.71
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.71
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.71
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.71
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.70	0.71
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.71
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.71
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.71
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.29	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.71
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.71
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.71
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.71
2:Y:116:MET:HE1	3:Z:21:TRP:HE1	1.53	0.71
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.71
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.52	0.71
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.71
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.71
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.71
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.71
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.71
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.71
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.71
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.71
1:C:254:THR:O	1:C:782:ILE:HG13	1.89	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.71
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.29	0.71
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.72	0.71
2:Y:117:GLY:HA2	3:Z:20:PHE:CA	2.20	0.71
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.71
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.52	0.71
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.71
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.71
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.71
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.71
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.71
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.52	0.71
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.71
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.71
1:C:504:GLY:C	1:C:760:VAL:CG2	2.58	0.71
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.71
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.71
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.71
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.71
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.71
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.29	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.71
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.71
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.73	0.71
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.71
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.29	0.71
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	2.02	0.71
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.71
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.71
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.52	0.71
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.71
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.71
1:C:503:GLU:O	1:C:762:PHE:CE1	2.42	0.71
1:C:802:GLN:HE21	3:Z:17:LEU:HD12	1.55	0.71
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.97	0.71
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.71
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.71
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.71
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.71
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.29	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.71
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.52	0.71
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.71
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.71
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.29	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.71
1:C:503:GLU:OE2	1:C:767:LEU:HD11	1.90	0.71
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.29	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.71
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.52	0.71
1:C:174:ILE:O	1:C:174:ILE:CG1	2.37	0.71
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.91	0.71
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.71
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.71
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71
1:C:722:ILE:HB	1:C:781:ILE:HG21	1.72	0.71
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.72	0.71
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.71
1:C:312:ILE:O	1:C:312:ILE:HG13	1.87	0.71
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.71
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.71
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:498:GLU:CA	1:C:755:LEU:HB2	2.20	0.71
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.70	0.71
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.71
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.71
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.71
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.71
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.71
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.71
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.71
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.55	0.71
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.26	0.71
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.71
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.04	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.39	0.71
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.71
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.71
1:C:811:ILE:O	1:C:815:ILE:HG22	1.90	0.71
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:126:TYR:CD2	1:C:679:PRO:CA	2.72	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.71
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.71
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.71
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.39	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.71
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.71
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.71
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.71
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:834:LYS:CB	1:C:835:PRO:CD	2.68	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.71
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.88	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.71
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.71
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.71
2:Y:32:ASP:HB2	2:Y:34:PHE:CD1	2.21	0.71
1:C:104:ARG:NE	1:C:682:VAL:CG2	2.40	0.71
1:C:144:ARG:N	1:C:771:GLU:OE2	2.23	0.71
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.71
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.71
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.91	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.71
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.71
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.71
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.71
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
3:Z:117:LEU:HD22	3:Z:117:LEU:C	2.14	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.71
1:C:146:THR:OG1	1:C:771:GLU:HB2	1.89	0.71
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.71
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.71
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.29	0.71
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.71
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.71
1:C:503:GLU:CB	1:C:753:TYR:HD1	1.96	0.71
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.71
1:C:802:GLN:NE2	3:Z:17:LEU:CB	2.53	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.71
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.71
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.71
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.71
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.71
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.71
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.71
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.71
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.54	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.71
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.71
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:482:GLU:O	1:C:483:ARG:C	2.21	0.71
1:C:677:LYS:O	1:C:677:LYS:HG2	1.87	0.71
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.71
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.71
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.71
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.90	0.71
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
2:Y:113:LEU:C	2:Y:120:PHE:HD2	1.96	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:6:SER:HB3	3:Z:46:ASN:ND2	2.05	0.71
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.39	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.25	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.71
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.71
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.71
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.71
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.71
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.71
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.71
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.71
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.71
1:C:834:LYS:CB	1:C:835:PRO:CD	2.68	0.71
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.43	0.71
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.71
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.73	0.71
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.71
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.39	0.71
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.71
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.71
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.71
1:C:499:GLU:C	1:C:710:ARG:HA	2.14	0.71
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.71
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.71
2:Y:37:LYS:NZ	2:Y:53:ASP:HA	2.03	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.71
1:C:749:ASP:OD1	1:C:751:ALA:CB	2.37	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.71
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.71
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.71
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.39	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.71
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.71
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.91	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
1:C:801:LEU:CD1	3:Z:17:LEU:HD21	2.20	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.71
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.71
1:C:746:LEU:CD1	1:C:777:ARG:HH21	2.00	0.71
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.71
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.71
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.71
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.71
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.71
1:C:810:VAL:C	1:C:814:ASN:OD1	2.32	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.71
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.71
3:Z:81:GLY:O	3:Z:86:TYR:HE1	1.70	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:500:TYR:C	1:C:754:ARG:HE	1.98	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.71
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.71
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:174:ILE:HD11	1:C:182:LYS:CG	2.18	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.71
1:C:801:LEU:CD2	3:Z:21:TRP:CZ3	2.73	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.04	0.71
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.71
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.71
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.71
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.04	0.71
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.71
1:C:498:GLU:C	1:C:755:LEU:N	2.48	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.71
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.71
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.71
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.71
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:811:ILE:O	1:C:815:ILE:HG22	1.90	0.71
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.71
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.39	0.71
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.71
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.71
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.71
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.71
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.82	0.71
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.71
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.71
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.71
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.71
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.71
1:C:696:VAL:CG2	1:C:697:LEU:H	2.03	0.71
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.71
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.71
1:C:221:GLN:HG3	1:C:337:ILE:HD13	1.70	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.72	0.71
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.71
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.71
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.71
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.71
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.04	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.39	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.71
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.71
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.71
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.71
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.71
1:C:505:ILE:HD11	1:C:754:ARG:CB	2.12	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.71
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.71
2:Y:138:LYS:CG	3:Z:123:ASP:HB3	2.09	0.71
1:C:24:GLN:O	1:C:24:GLN:HG2	1.86	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.71
1:C:144:ARG:NH1	1:C:719:ARG:CD	2.47	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
1:C:147:GLU:CG	1:C:771:GLU:OE2	2.25	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.71
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.71
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.71
1:C:500:TYR:CZ	1:C:707:PHE:CE1	2.64	0.71
1:C:800:LYS:CD	2:Y:95:MET:O	2.39	0.71
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.29	0.71
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:158:ASN:O	1:C:771:GLU:HG3	1.90	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
2:Y:116:MET:HA	3:Z:23:GLY:H	1.54	0.71
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.71
3:Z:90:PHE:CE1	3:Z:141:TYR:HB2	2.23	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.71
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.71
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.71
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.71
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.71
2:Y:17:ILE:HG12	2:Y:18:GLN:H	1.49	0.71
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.71
1:C:503:GLU:C	1:C:760:VAL:CG2	0.73	0.71
1:C:507:TRP:O	1:C:750:PRO:C	2.32	0.71
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
1:C:56:ILE:HG12	1:C:69:VAL:HG23	1.70	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.71
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.71
1:C:505:ILE:C	1:C:754:ARG:HH21	1.97	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.32	0.71
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.71
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.71
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.71
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.71
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.71
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.71
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.71
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.71
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
3:Z:33:LEU:C	3:Z:36:VAL:HG22	2.14	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
1:C:505:ILE:HG12	1:C:709:SER:O	1.90	0.71
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71
1:C:138:ALA:N	3:Z:108:HIS:CD2	2.59	0.71
1:C:161:GLN:HG3	1:C:719:ARG:HD3	1.70	0.71
1:C:811:ILE:O	1:C:815:ILE:HG22	1.90	0.71
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.71
2:Y:93:PHE:HB2	2:Y:141:TYR:CE2	2.24	0.71
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.67	0.71
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.71
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.71
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.71
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.71
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.89	0.71
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.71
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.73	0.71
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.71
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.71
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.71
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.69	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.71
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.71
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.71
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.71
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
1:C:498:GLU:CB	1:C:761:PHE:CE1	2.44	0.71
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.71
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.54	0.71
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.71
2:Y:75:ILE:HG12	2:Y:76:PHE:N	2.03	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.71
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.71
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.71
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.71
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.71
1:C:527:MET:O	1:C:532:ILE:HD11	1.88	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.71
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:449:LYS:HD3	3:Z:138:ASN:HD21	0.71	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.71
1:C:499:GLU:HA	1:C:759:LYS:C	2.16	0.71
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.71
1:C:504:GLY:HA2	1:C:760:VAL:HG22	0.72	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.71
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.71
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.71
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.71
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.71
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.71
1:C:500:TYR:C	1:C:754:ARG:HB2	2.04	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.71
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.71
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.71
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.71
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.71
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.71
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.55	0.71
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.39	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.71
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.71
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.71
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.71
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.03	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.71
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.71
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.71
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.90	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.71
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.71
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.71
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.55	0.71
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.39	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.71
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.71
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.71
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.71
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.71
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.71
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.04	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.71
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.71
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.55	0.71
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:503:GLU:CG	1:C:761:PHE:CZ	2.72	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.39	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.71
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.71
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.71
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.71
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.71
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.90	0.71
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.71
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.71
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.71
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.71
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.55	0.71
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.71
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
1:C:146:THR:HG21	1:C:768:GLY:HA3	0.72	0.71
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.71
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.71
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
1:C:85:LEU:O	1:C:85:LEU:HD22	1.90	0.71
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.71
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.71
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.55	0.71
1:C:365:GLN:OE1	1:C:416:MET:SD	2.47	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.39	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.71
3:Z:46:ASN:O	3:Z:49:VAL:HG22	1.88	0.71
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.71
1:C:666:HIS:CD2	1:C:666:HIS:N	2.57	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71
1:C:503:GLU:CD	1:C:759:LYS:H	1.98	0.71
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.71
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.71
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.71
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.71
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.71
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.71
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.54	0.71
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.71
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.71
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.91	0.71
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.71
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.71
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.54	0.71
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.71
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.71
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.71
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.54	0.71
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.71
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.71
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.71
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.54	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.71
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.71
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.54	0.71
1:C:503:GLU:OE2	1:C:711:LEU:C	2.17	0.71
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.71
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.71
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.71
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.54	0.71
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.71
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.71
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.71
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:722:ILE:CG2	3:Z:88:GLU:HB2	2.21	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.71
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.71
1:C:506:ALA:HB2	1:C:754:ARG:NH2	2.05	0.71
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.71
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.71
1:C:752:GLU:OE1	1:C:763:LYS:HD3	1.89	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.71
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.71
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.71
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.71
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.71
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.71
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.71
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.71
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.71
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.72	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.73	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.71
3:Z:42:ILE:HD11	3:Z:75:LEU:HD11	1.65	0.71
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.71
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.71
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.71
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.71
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.71
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.71
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.71
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.71
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.71
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.71
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.71
1:C:138:ALA:C	3:Z:113:LEU:HD11	2.14	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
2:Y:138:LYS:CD	3:Z:123:ASP:CA	2.64	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.71
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.71
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.71
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
1:C:801:LEU:CD1	3:Z:21:TRP:HE3	2.01	0.71
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.71
1:C:223:ASN:N	1:C:224:PRO:HD2	2.04	0.71
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.71
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.71
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:121:ILE:HG13	1:C:121:ILE:O	1.88	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.24	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.71
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.71
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.71
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.71
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:508:GLU:HB2	1:C:752:GLU:CD	1.95	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:702:ILE:HG12	1:C:703:CYS:N	2.03	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.71
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.71
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.71
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.71
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:712:ILE:HD11	1:C:715:GLU:HB2	1.69	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.71
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.71
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.71
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
1:C:503:GLU:O	1:C:756:GLY:C	2.34	0.71
1:C:505:ILE:HD12	1:C:754:ARG:CA	2.21	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.99	0.71
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.04	0.71
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.71
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.71
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.26	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71
1:C:773:MET:HA	1:C:776:GLU:HB2	1.72	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
1:C:159:ALA:CB	1:C:666:HIS:CE1	2.73	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.39	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
3:Z:93:PHE:CZ	3:Z:105:GLU:OE2	2.42	0.71
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
2:Y:100:GLU:HG3	3:Z:130:ASP:OD1	1.91	0.71
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.99	0.71
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.73	0.71
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.71
1:C:144:ARG:HD2	1:C:770:LEU:HB3	1.71	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.71
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
1:C:811:ILE:O	1:C:815:ILE:HG22	1.89	0.71
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.71
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.99	0.71
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.71
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.71
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.71
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.71
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.71
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.71
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.39	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:811:ILE:O	1:C:815:ILE:HG22	1.90	0.71
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.71
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.71
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.71
1:C:383:VAL:HG23	1:C:384:ALA:N	2.03	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.71
1:C:800:LYS:C	1:C:801:LEU:HA	2.14	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.26	0.71
1:C:702:ILE:HG12	1:C:703:CYS:N	2.04	0.71
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.71
3:Z:36:VAL:CG2	3:Z:37:CYS:H	2.02	0.71
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.99	0.71
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.71
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.71
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.71
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.71
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.71
1:C:800:LYS:HA	1:C:804:GLN:N	2.06	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
1:C:175:THR:HG22	1:C:484:LEU:CD1	2.19	0.71
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.71
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.71
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.71
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.71
1:C:257:ILE:C	3:Z:105:GLU:OE2	2.33	0.71
1:C:502:LYS:HG2	1:C:758:THR:H	1.53	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.71
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.71
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.71
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.71
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:800:LYS:O	1:C:804:GLN:CB	2.39	0.71
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.71
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.71
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.71
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.72	0.71
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.71
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.71
1:C:503:GLU:CB	1:C:755:LEU:C	2.45	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.71
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.71
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.71
1:C:81:LYS:NZ	1:C:772:GLU:HG3	2.02	0.71
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.71
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.71
1:C:520:ILE:O	1:C:523:ILE:CG2	2.39	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.71
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.71
1:C:148:ILE:HG23	1:C:775:ASP:CG	2.16	0.71
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.71
1:C:195:LYS:CE	3:Z:108:HIS:CE1	2.63	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.71
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.71
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.71
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.26	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.71
1:C:43:PHE:CE1	1:C:688:LEU:CD1	2.73	0.71
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.71
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71
1:C:311:PHE:CD1	1:C:312:ILE:HB	2.19	0.71
1:C:798:TYR:O	1:C:802:GLN:N	2.24	0.71
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.71
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.71
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.71
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.71
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.70	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.71
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.71
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.71
1:C:516:LEU:HB3	1:C:519:CYS:SG	2.30	0.71
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.56	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.24	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.71
1:C:504:GLY:O	1:C:755:LEU:CB	2.39	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
3:Z:132:GLN:O	3:Z:132:GLN:CD	2.33	0.71
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.71
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.71
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.71
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.72	0.71
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:254:THR:HB	1:C:782:ILE:HG21	1.69	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.71
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71
2:Y:99:GLN:HG2	3:Z:128:LEU:CD2	2.21	0.71
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.71
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.71
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.71
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.71
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.71
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.71
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.71
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.71
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.71
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.71
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.71
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.71
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.51	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.71
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.71
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.71
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71
1:C:506:ALA:O	1:C:763:LYS:CB	2.37	0.71
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.71
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.71
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.71
1:C:804:GLN:C	3:Z:21:TRP:HZ3	1.97	0.71
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.71
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.71
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.71
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.71
1:C:254:THR:HG22	3:Z:105:GLU:HA	0.71	0.71
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.71
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.71
1:C:723:LEU:HD22	1:C:777:ARG:NE	2.04	0.71
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.71
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.71
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.71
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.71
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.71
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.71
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.08	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.71
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.71
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.71
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.71
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.71
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.71
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.71
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.71
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.71
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.71
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.71
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.71
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.71
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.71
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.71
3:Z:46:ASN:HD22	3:Z:47:GLU:N	1.80	0.71
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.71
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.71
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.71
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.71
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.71
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.08	0.71
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.71
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.71
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.71
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.71
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.71
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.71
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.71
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.71
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.71
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.71
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.71
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.71
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.71
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.71
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.71
1:C:163:MET:CE	1:C:454:TYR:CE2	2.55	0.71
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.71

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.71
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.71
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.71
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.71
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.71
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.71
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.71
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.71
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.71
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.71
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.71
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.67	0.71
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.71
1:C:86:GLU:OE1	1:C:106:ARG:NH1	2.22	0.71
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.71
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.71
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.25	0.71
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.71
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.71
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.73	0.71
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.71
1:C:267:LEU:HD12	1:C:435:PHE:CG	2.24	0.71
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.71
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.71
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.71
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.73	0.71
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.71
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.70
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.02	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.92	0.70
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:464:PHE:HD1	1:C:478:ASN:HD21	1.34	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.70
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.70
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.71	0.70
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.70
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.70
1:C:248:ARG:CB	3:Z:95:ARG:HD2	2.13	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.90	0.70
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
1:C:501:LYS:C	1:C:711:LEU:HB2	2.15	0.70
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
1:C:509:PHE:O	1:C:751:ALA:HB1	1.91	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.70
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.70
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.70
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.70
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.70
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.70
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.70
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.70
1:C:119:PHE:HD2	1:C:667:PHE:CA	2.03	0.70
1:C:172:CYS:SG	1:C:458:VAL:HG13	2.30	0.70
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.70
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:503:GLU:HB3	1:C:756:GLY:HA2	1.73	0.70
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.70
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.70
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.70
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.70
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.70
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
1:C:505:ILE:C	1:C:753:TYR:CB	2.62	0.70
2:Y:56:LEU:O	2:Y:56:LEU:CD1	2.18	0.70
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.70
1:C:799:LYS:O	1:C:801:LEU:N	2.24	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:505:ILE:HB	1:C:762:PHE:HB3	1.73	0.70
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.70
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.71	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
1:C:505:ILE:CD1	1:C:761:PHE:CG	2.67	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.70
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.70
1:C:722:ILE:HG23	3:Z:88:GLU:CB	2.21	0.70
1:C:728:ILE:CG1	3:Z:84:ALA:HB2	2.22	0.70
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:811:ILE:O	1:C:815:ILE:HG22	1.90	0.70
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.70
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.03	0.70
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
1:C:834:LYS:CB	1:C:835:PRO:CD	2.68	0.70
2:Y:99:GLN:HB2	3:Z:127:LYS:HE3	1.73	0.70
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.70
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.70
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.70
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.53	0.70
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.70
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.70
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.53	0.70
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.70
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.70
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.70
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:506:ALA:H	1:C:754:ARG:NE	1.86	0.70
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
1:C:834:LYS:CB	1:C:835:PRO:CD	2.68	0.70
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.70
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.70
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.53	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.70
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.70
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.70
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.70
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.70
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.70
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.70
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.70
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.70
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.70
1:C:116:SER:CB	1:C:700:ILE:HD11	2.17	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.70
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.70
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.70
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:140:TYR:HD2	1:C:153:PHE:HB3	0.96	0.70
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.53	0.70
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.70
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.03	0.70
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.71	0.70
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.70
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.70
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.70
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.70
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.70
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.70
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.70
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.70
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.70
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.70
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.70
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.70
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.70
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.70
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.55	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.70
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.70
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.56	0.70
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.70
1:C:169:ASN:N	1:C:715:GLU:OE2	2.24	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.70
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:499:GLU:HG3	1:C:710:ARG:HB3	1.72	0.70
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:247:ILE:CD1	1:C:458:VAL:HB	2.19	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.70
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.70
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.70
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.70
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.72	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.55	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.70
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.92	0.70
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.70
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:500:TYR:HA	1:C:761:PHE:CD1	2.25	0.70
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.70
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:CA	2:Y:89:ILE:HD11	2.09	0.70
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.70
1:C:103:LEU:HD21	1:C:121:ILE:CD1	2.20	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.70
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.73	0.70
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.03	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.72	0.70
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.70
1:C:266:LEU:CD2	1:C:649:HIS:CD2	2.73	0.70
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.70
1:C:505:ILE:CG1	1:C:754:ARG:HG3	2.18	0.70
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.70
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.70
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.70
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.70
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.70
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.70
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.70
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.70
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.70
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.70
1:C:503:GLU:CG	1:C:761:PHE:HZ	1.91	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.27	0.70
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.70
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.71	0.70
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.70
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.70
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.70
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.70
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.70
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.70
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.70
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.70
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.19	0.70
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.70
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.83	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.04	0.70
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.70
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.70
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.70
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
2:Y:116:MET:CA	3:Z:23:GLY:CA	2.21	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.04	0.70
1:C:501:LYS:O	1:C:711:LEU:HD12	1.92	0.70
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.70
1:C:771:GLU:CD	1:C:775:ASP:OD2	2.34	0.70
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.70
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.70
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.70
3:Z:100:PHE:CG	3:Z:101:ILE:N	2.55	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.04	0.70
1:C:498:GLU:O	1:C:756:GLY:HA2	1.90	0.70
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.70
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.70
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.91	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.70
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.04	0.70
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.70
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.70
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.70
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.04	0.70
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.70
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.70
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.70
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.70
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.04	0.70
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.70
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.70
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.57	0.70
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.70
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.70
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.70
2:Y:102:LYS:C	2:Y:103:LYS:HG3	2.14	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.71	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.70
1:C:505:ILE:CB	1:C:754:ARG:HB3	2.20	0.70
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.70
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.72	0.70
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:800:LYS:C	1:C:801:LEU:N	2.50	0.70
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.70
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.72	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.70
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.70
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:799:LYS:CE	1:C:806:ILE:CG1	2.69	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.70
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.04	0.70
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.70
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.70
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.70
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.70
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.71	0.70
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.70
1:C:832:LYS:HZ1	2:Y:47:LEU:C	1.99	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.70
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.70
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.70
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.70
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.26	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.70
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:493:PHE:HE1	1:C:512:PHE:CD2	2.05	0.70
1:C:569:THR:O	1:C:570:ARG:CG	2.28	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.70
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.70
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.70
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.70
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.70
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.70
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.70
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.70
1:C:798:TYR:O	1:C:802:GLN:HB2	1.91	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.90	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:285:PHE:HE1	1:C:356:LEU:CG	1.94	0.70
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.70
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.26	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.70
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.70
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.70
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.70
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.70
1:C:505:ILE:CD1	1:C:754:ARG:HB3	2.21	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.70
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.70
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:805:ARG:HD3	3:Z:21:TRP:CA	2.20	0.70
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.70
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.70
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.70
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.70
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:144:ARG:NH2	1:C:771:GLU:OE1	2.04	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.70
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.70
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.70
1:C:504:GLY:O	1:C:755:LEU:HB3	0.89	0.70
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.70
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.70
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.70
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.70
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.70
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.02	0.70
1:C:794:ILE:CG1	1:C:795:ARG:H	1.90	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.70
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.70
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.70
1:C:356:LEU:HD12	1:C:356:LEU:N	2.04	0.70
1:C:363:PHE:CE1	1:C:420:VAL:HG11	2.25	0.70
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.70
1:C:503:GLU:HG2	1:C:761:PHE:CE1	2.24	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.70
1:C:794:ILE:HG12	3:Z:38:ARG:HB3	1.71	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.73	0.70
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
1:C:284:ILE:O	1:C:288:ILE:HG23	1.90	0.70
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.70
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.70
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.70
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.70
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.70
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.70
2:Y:93:PHE:CE2	2:Y:141:TYR:CB	2.73	0.70
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70
1:C:834:LYS:CB	1:C:835:PRO:CD	2.68	0.70
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.70
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:139:LYS:HE3	1:C:779:SER:CB	2.20	0.70
1:C:161:GLN:NE2	1:C:719:ARG:CD	2.53	0.70
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.70
1:C:523:ILE:CD1	1:C:529:ILE:HG13	2.17	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.70
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.70
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.70
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.70
1:C:802:GLN:NE2	3:Z:17:LEU:HB2	2.06	0.70
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.70
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.70
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.70
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.72	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.70
1:C:145:LYS:HB2	1:C:768:GLY:HA2	0.75	0.70
1:C:804:GLN:HA	2:Y:95:MET:CE	2.19	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.70
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.70
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.70
1:C:773:MET:CA	1:C:776:GLU:HG2	2.17	0.70
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.70
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.70
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.70
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.70
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:268:GLU:CD	1:C:271:ARG:HB2	2.15	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
3:Z:69:LEU:O	3:Z:73:GLU:HG2	1.90	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.92	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.70
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.70
1:C:506:ALA:HA	1:C:753:TYR:CB	2.21	0.70
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.51	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.70
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.70
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.70
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.70
1:C:501:LYS:HZ3	1:C:770:LEU:HD11	1.52	0.70
1:C:507:TRP:CD2	1:C:707:PHE:CD2	2.78	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.70
1:C:501:LYS:CE	1:C:740:GLU:OE1	2.39	0.70
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.70
2:Y:108:TYR:OH	3:Z:123:ASP:CG	2.33	0.70
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.70
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.70
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.70
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.70
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.70
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.70
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.70
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.70
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.71	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.70
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.70
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.70
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.70
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.70
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.70
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.56	0.70
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.70
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.70
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.70
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.70
1:C:772:GLU:OE1	1:C:776:GLU:CG	2.39	0.70
1:C:335:PHE:O	1:C:340:PHE:CD2	2.38	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.70
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.70
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.87	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.70
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.70
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.70
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.56	0.70
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.70
1:C:834:LYS:CB	1:C:835:PRO:CD	2.68	0.70
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.70
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.70
1:C:177:GLU:HG3	1:C:672:ILE:CD1	2.10	0.70
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.70
1:C:144:ARG:NH1	1:C:715:GLU:HB3	2.06	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.70
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.70
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.70
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.56	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.70
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.70
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.70
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.70
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.70
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.56	0.70
2:Y:117:GLY:N	3:Z:20:PHE:HZ	1.88	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.70
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.70
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.70
1:C:143:LYS:CE	1:C:775:ASP:CA	2.69	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.70
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:280:ARG:HG2	1:C:286:TYR:HE1	1.49	0.70
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.70
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.56	0.70
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.70
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.70
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.70
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.03	0.70
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.70
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.70
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.70
1:C:12:TYR:HE1	1:C:131:ILE:HG12	1.54	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.25	0.70
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.70
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.70
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.70
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.70
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.70
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.70
1:C:507:TRP:CZ3	1:C:707:PHE:N	2.46	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.70
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:664:HIS:CE1	1:C:711:LEU:CD2	2.75	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
1:C:805:ARG:NH2	3:Z:20:PHE:CE2	2.56	0.70
2:Y:121:ASN:HD21	2:Y:124:GLU:HG3	1.00	0.70
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.70
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.70
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.70
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.70
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.70
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.70
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.70
3:Z:126:ILE:CG1	3:Z:127:LYS:N	2.52	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70
1:C:520:ILE:O	1:C:523:ILE:CG2	2.38	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.70
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.70
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.70
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.70
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.70
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.70
1:C:834:LYS:CB	1:C:835:PRO:CD	2.68	0.70
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.57	0.70
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.70
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.04	0.70
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70
1:C:507:TRP:O	1:C:750:PRO:O	2.09	0.70
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.90	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.70
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.70
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.70
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.56	0.70
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.70
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.70
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.70
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:219:ILE:CG1	1:C:220:ILE:H	1.88	0.70
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.70
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
1:C:473:GLU:HG2	1:C:597:LYS:CE	2.20	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.70
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:569:THR:O	1:C:570:ARG:CG	2.29	0.70
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.70
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.70
1:C:800:LYS:O	1:C:803:ASP:OD1	2.09	0.70
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.70
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70
1:C:505:ILE:CD1	1:C:767:LEU:N	2.50	0.70
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.70
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.70
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.70
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.03	0.70
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.70
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.70
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.26	0.70
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.70
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.70
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.57	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.26	0.70
1:C:800:LYS:O	1:C:803:ASP:CG	2.34	0.70
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.70
1:C:502:LYS:N	1:C:756:GLY:HA3	2.05	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.26	0.70
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.70
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.57	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.70
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.71	0.70
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.57	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.70
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.26	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.70
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.88	0.70
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.70
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.70
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:506:ALA:HB1	1:C:752:GLU:HB3	0.73	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.26	0.70
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.70
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.70
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.70
1:C:254:THR:HG21	3:Z:95:ARG:O	1.91	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:512:PHE:CZ	1:C:702:ILE:HG22	2.26	0.70
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:219:ILE:CG1	1:C:220:ILE:H	1.88	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.70
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.70
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.70
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.70
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.70
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.70
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.70
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.70
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.27	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:144:ARG:HH12	1:C:770:LEU:HD22	1.57	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:684:ALA:HA	1:C:687:VAL:HG22	1.72	0.70
1:C:703:CYS:CB	1:C:764:ALA:HB2	2.22	0.70
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.70
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.70
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:583:TYR:CD1	1:C:584:ALA:HB2	2.26	0.70
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.70
1:C:506:ALA:N	1:C:754:ARG:HE	1.88	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.71	0.70
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.70
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.26	0.70
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.70
1:C:832:LYS:HZ1	2:Y:47:LEU:HB3	1.50	0.70
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.70
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.26	0.70
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.70
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.70
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.70
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:498:GLU:O	1:C:759:LYS:O	2.10	0.70
1:C:834:LYS:CB	1:C:835:PRO:CD	2.68	0.70
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.70
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:801:LEU:CD1	3:Z:21:TRP:CZ3	2.65	0.70
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70
1:C:499:GLU:CB	1:C:710:ARG:HH12	2.04	0.70
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.70
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.70
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.70
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.70
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:510:ILE:HD12	1:C:763:LYS:HZ3	1.55	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.70
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.70
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.70
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.70
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.70
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:502:LYS:HE2	1:C:713:TYR:HE2	1.52	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:502:LYS:HE2	1:C:757:THR:CG2	2.22	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.70
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.70
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.70
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.70
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.70
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.57	0.70
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.70
1:C:799:LYS:O	1:C:803:ASP:N	2.24	0.70
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.70
1:C:488:PHE:HE2	1:C:492:MET:SD	2.12	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
1:C:386:LEU:HD12	1:C:386:LEU:N	2.05	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.70
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.70
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.70
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.70
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.70
3:Z:141:TYR:CZ	3:Z:145:VAL:CG1	2.73	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.70
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.70
1:C:771:GLU:OE1	1:C:775:ASP:OD2	2.09	0.70
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.56	0.70
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.70
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.70
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.70
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.70
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.70
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.70
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.70
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.67	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.70
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.70
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.70
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.70
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.70
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.70
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.70
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.70
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.70
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.70
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.70
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.70
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.70
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.70
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.70
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.70
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.70
1:C:85:LEU:HD23	1:C:87:ASP:O	1.89	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.70
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.70
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.70
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.70
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.70
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.70
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.70
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.70
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.70
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.70
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.70
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.70
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.70
1:C:506:ALA:CB	1:C:750:PRO:O	2.40	0.70
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.70
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.70
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.70
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.70
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.70
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.26	0.70
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.70
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.70
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.70
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.70
1:C:166:ASP:H	1:C:774:ARG:CD	1.84	0.70
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.70
1:C:453:ASN:OD1	3:Z:89:ALA:C	2.35	0.70
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.70
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:494:ILE:O	1:C:754:ARG:CD	2.38	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.26	0.70
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.26	0.70
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.71	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.70
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.70
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.70
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.70
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.70
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.70
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.26	0.70
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.70
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.70
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.70
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.70
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
1:C:506:ALA:O	1:C:763:LYS:HB2	1.91	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.26	0.70
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.70
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.70
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.70
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.70
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.70
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.70
1:C:498:GLU:CA	1:C:756:GLY:CA	2.69	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.26	0.70
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.70
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.70
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.70
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.70
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.70
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.70
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.06	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.26	0.70
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.70
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.70
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.70
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.70
1:C:743:LEU:HD22	1:C:748:MET:HG3	1.71	0.70
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.70
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	2.04	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
2:Y:100:GLU:HG2	3:Z:127:LYS:HG2	1.74	0.70
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.70
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.70
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.70
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.70
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.70
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
2:Y:108:TYR:OH	3:Z:121:ASP:CG	2.33	0.70
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.70
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.57	0.70
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.70
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.70
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.70
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.70
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.70
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.70
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.70
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.70
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.70
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.70
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.70
1:C:177:GLU:CD	1:C:177:GLU:H	1.97	0.70
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.70
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.70
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.70
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.70
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.70
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.70
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:503:GLU:CB	1:C:755:LEU:N	2.54	0.70
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.70
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.70
1:C:500:TYR:OH	1:C:707:PHE:C	2.34	0.70
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.70
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.70
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.70
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.70
1:C:801:LEU:HD12	3:Z:17:LEU:CD1	2.22	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.70
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.70
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.90	0.70
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.70
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.70
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.70
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.03	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.70
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.70
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.70
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.70
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.70
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.70
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.70
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.70
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.70
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.70
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.70
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.70
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.70
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.70
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.70
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.70
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.70
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.70
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.70
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.70
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.70
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.70
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.70
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.70
1:C:12:TYR:CZ	1:C:131:ILE:CB	2.74	0.70
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.70
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.70
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.70
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.70
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.26	0.70
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:356:LEU:HD12	1:C:356:LEU:N	2.05	0.70
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.70
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.70
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.70
2:Y:110:LYS:O	2:Y:114:GLU:CG	2.38	0.70
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.70
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.70
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.70
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.70
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.70
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.70
1:C:602:ILE:O	1:C:602:ILE:HG12	1.89	0.70
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.70
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.70
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.70
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.70
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.70
1:C:810:VAL:CG2	2:Y:92:ALA:HB1	2.18	0.70
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.70
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.70
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.56	0.70
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.70
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.70
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.70
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.70
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.70
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.70
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.70
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.70
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.70
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.70
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.70
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.70
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.70
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.70
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.70

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.70
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.70
1:C:703:CYS:HB2	1:C:764:ALA:HB2	1.73	0.70
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.70
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.70
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.70
1:C:500:TYR:CB	1:C:709:SER:O	2.39	0.70
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.70
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.70
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.69
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.69
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.91	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.69
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.69
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.69
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.69
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.69
1:C:452:ARG:HD3	3:Z:95:ARG:H	0.87	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:510:ILE:N	1:C:751:ALA:CB	2.52	0.69
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.69
1:C:798:TYR:HA	1:C:801:LEU:HG	1.74	0.69
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.69
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.69
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.69
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.69
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.69
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.69
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.69
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:506:ALA:C	1:C:763:LYS:N	2.48	0.69
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:500:TYR:HD1	1:C:754:ARG:HG3	1.56	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.69
2:Y:106:ILE:HG22	2:Y:137:GLY:O	1.91	0.69
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.69
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.55	0.69
1:C:505:ILE:HG12	1:C:762:PHE:C	2.06	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.69
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.69
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.69
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.69
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.69
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.69
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.05	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.08	0.69
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.69
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.69
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.69
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.69
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.69
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.69
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.69
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.69
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.69
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.69
1:C:504:GLY:C	1:C:760:VAL:CA	2.65	0.69
1:C:508:GLU:CG	1:C:751:ALA:HB2	1.92	0.69
2:Y:101:THR:CB	3:Z:126:ILE:HG13	2.17	0.69
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.69
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.69
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.69
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.69
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.69
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.69
1:C:275:GLN:HG3	1:C:314:GLN:HE21	1.55	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.69
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.69
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.97	0.69
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.10	0.69
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.69
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.10	0.69
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.69
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.57	0.69
1:C:505:ILE:HD12	1:C:754:ARG:NE	2.07	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.69
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.69
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.69
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.69
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.68	0.69
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.69
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.69
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.69
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.69
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.69
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.69
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.69
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.69
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.69
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.69
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.69
3:Z:131:LEU:HD11	3:Z:144:PHE:HD1	1.11	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.69
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.10	0.69
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.69
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.69
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.69
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.69
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.69
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.69
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.69
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.69
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.69
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.10	0.69
1:C:503:GLU:OE1	1:C:759:LYS:CA	2.40	0.69
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.69
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.69
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.69
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.69
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.27	0.69
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.69
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.69
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.69
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.69
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.69
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
1:C:807:GLY:HA3	2:Y:95:MET:HE2	1.68	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.69
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.69
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.36	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:500:TYR:CE1	1:C:707:PHE:CB	2.64	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.69
1:C:389:ILE:HD11	1:C:394:LEU:CD1	2.20	0.69
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.69
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
1:C:219:ILE:CG1	1:C:220:ILE:H	1.88	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.51	0.69
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.69
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.69
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.69
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.69
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.69
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.69
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.69
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.03	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.69
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.69
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.69
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.69
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.69
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.69
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.69
1:C:703:CYS:CA	1:C:764:ALA:HB2	2.21	0.69
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.69
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
1:C:505:ILE:HG21	1:C:709:SER:HB2	1.73	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.69
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.69
1:C:256:LYS:CB	3:Z:95:ARG:NH1	2.38	0.69
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.69
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.69
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.69
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.69
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.69
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:503:GLU:HG3	1:C:710:ARG:HB3	0.70	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.71	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.00	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:HA	1:C:759:LYS:HG2	1.72	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.69
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
1:C:177:GLU:CD	1:C:177:GLU:H	1.98	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.71	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.27	0.69
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.69
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.69
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
1:C:253:PRO:CB	3:Z:93:PHE:CZ	2.74	0.69
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.69
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.69
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.69
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:772:GLU:C	1:C:776:GLU:CG	2.62	0.69
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.69
3:Z:117:LEU:CD1	3:Z:117:LEU:H	2.03	0.69
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.69
1:C:801:LEU:CD1	3:Z:17:LEU:HD21	2.21	0.69
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.69
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.69
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.69
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.69
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.69
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.69
1:C:505:ILE:HD13	1:C:754:ARG:CA	2.22	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.69
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.69
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.69
1:C:800:LYS:O	1:C:802:GLN:CA	2.39	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.69
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.69
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.69
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.69
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.69
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.28	0.69
1:C:137:ILE:C	3:Z:108:HIS:NE2	2.47	0.69
1:C:371:GLN:CG	1:C:372:ALA:N	2.54	0.69
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.69
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.69
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.69
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.69
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.69
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.69
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.69
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.69
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.69
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.69
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:379:GLU:CD	1:C:379:GLU:H	1.98	0.69
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.69
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.69
1:C:115:TYR:CE1	1:C:150:PRO:HB3	2.26	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.69
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.26	0.69
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.69
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.69
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.90	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.10	0.69
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.69
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.69
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.69
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.69
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.69
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.69
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.69
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.69
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.69
1:C:704:ARG:CA	1:C:764:ALA:CB	2.54	0.69
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.69
2:Y:32:ASP:CB	2:Y:34:PHE:CD1	2.74	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.03	0.69
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.28	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.69
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.69
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.69
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.69
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.69
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.69
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.69
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.05	0.69
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.69
1:C:232:ALA:HB2	1:C:242:ARG:CZ	2.21	0.69
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.69
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.69
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.69
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.69
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.69
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.69
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.69
1:C:505:ILE:HA	1:C:750:PRO:O	1.92	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.71	0.69
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:503:GLU:C	1:C:756:GLY:HA2	2.17	0.69
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.28	0.69
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.69
1:C:728:ILE:CG1	3:Z:84:ALA:CB	2.70	0.69
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.69
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.69
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.69
1:C:219:ILE:CG1	1:C:220:ILE:H	1.88	0.69
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.69
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.69
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.69
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.69
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.69
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:49:VAL:HG23	3:Z:50:PHE:N	2.05	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:502:LYS:CE	1:C:757:THR:CG2	2.69	0.69
1:C:502:LYS:CE	1:C:757:THR:HG23	2.22	0.69
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.69
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.69
1:C:505:ILE:HD13	1:C:755:LEU:N	2.05	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.69
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.69
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.69
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.69
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.69
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.69
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.42	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.69
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.69
1:C:703:CYS:HA	1:C:708:PRO:HG3	1.74	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:645:ILE:CG1	1:C:646:SER:N	2.55	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.00	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:451:LYS:N	3:Z:101:ILE:CG2	2.24	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:497:GLN:CB	1:C:754:ARG:N	2.49	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.69
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
2:Y:107:GLU:CG	3:Z:120:GLU:CD	2.49	0.69
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.69
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
1:C:165:THR:HB	1:C:715:GLU:OE2	1.92	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:697:LEU:CD2	1:C:698:GLU:N	2.53	0.69
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.47	0.69
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
2:Y:86:GLU:CD	2:Y:86:GLU:H	1.97	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:725:PRO:HG3	1:C:777:ARG:NH1	2.06	0.69
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:498:GLU:CD	1:C:756:GLY:CA	2.62	0.69
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.69
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.28	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.69
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.69
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.57	0.69
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:499:GLU:C	1:C:761:PHE:CE2	2.71	0.69
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.69
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	2.03	0.69
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.69
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
1:C:505:ILE:HG23	1:C:754:ARG:N	2.08	0.69
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.69
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.69
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.69
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.69
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.69
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.69
1:C:72:ASP:OD1	1:C:72:ASP:O	2.09	0.69
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.69
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.69
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.69
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.69
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.69
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.69
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.69
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.69
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.69
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.86	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.69
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.69
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.69
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.69
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.69
1:C:507:TRP:CD2	1:C:763:LYS:HA	2.27	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.69
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.69
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.69
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.69
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.69
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.69
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.69
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.69
1:C:503:GLU:O	1:C:760:VAL:CG2	0.81	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.69
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.69
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.69
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.69
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
1:C:800:LYS:O	1:C:804:GLN:HB3	1.91	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.69
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.69
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.69
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:94:LEU:O	1:C:697:LEU:HG	1.91	0.69
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.69
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.69
1:C:85:LEU:O	1:C:85:LEU:HD22	1.91	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.69
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.69
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.69
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.69
2:Y:100:GLU:HB3	3:Z:128:LEU:H	1.48	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.69
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.69
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.69
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.69
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.69
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.69
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.69
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
2:Y:105:ASN:CB	2:Y:108:TYR:CD1	2.57	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.69
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.69
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.69
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
1:C:800:LYS:CE	1:C:804:GLN:CG	2.67	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.69
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.69
1:C:505:ILE:CD1	1:C:754:ARG:HE	2.05	0.69
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:231:ASN:HB3	1:C:283:HIS:NE2	2.06	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.69
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.10	0.69
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:518:MET:O	1:C:519:CYS:C	2.35	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.69
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.69
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.69
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.69
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.69
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.18	0.69
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.69
1:C:799:LYS:HZ2	1:C:806:ILE:HG12	1.56	0.69
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69
1:C:472:PHE:HD2	1:C:597:LYS:HE2	1.55	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.69
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.69
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.90	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.69
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.69
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.69
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.69
1:C:159:ALA:HB2	1:C:666:HIS:CE1	2.26	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:503:GLU:CB	1:C:761:PHE:CE1	2.74	0.69
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.69
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.69
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.69
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.69
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.69
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.69
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.69
1:C:493:PHE:H	1:C:754:ARG:HH22	1.41	0.69
1:C:501:LYS:O	1:C:711:LEU:HB2	1.93	0.69
1:C:800:LYS:C	1:C:801:LEU:HA	2.18	0.69
1:C:801:LEU:HD12	3:Z:17:LEU:HD11	1.74	0.69
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.28	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.69
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.69
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.69
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.69
2:Y:105:ASN:OD1	3:Z:123:ASP:OD2	2.11	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.69
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.69
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.18	0.69
1:C:722:ILE:C	1:C:777:ARG:HD3	2.17	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.69
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.69
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.69
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.69
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.90	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.69
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.69
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.69
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.27	0.69
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.69
1:C:505:ILE:CD1	1:C:754:ARG:HE	2.05	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.69
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.69
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.69
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.69
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.69
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.69
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.69
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.69
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.69
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
2:Y:40:ILE:O	2:Y:43:ILE:HD13	1.91	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.69
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.69
3:Z:93:PHE:HZ	3:Z:105:GLU:CG	2.00	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.69
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.89	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.69
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:285:PHE:CZ	1:C:311:PHE:HE1	2.07	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.69
1:C:219:ILE:CG1	1:C:220:ILE:H	1.88	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.69
1:C:832:LYS:HZ3	2:Y:48:GLY:N	1.90	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.69
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.69
1:C:801:LEU:HD12	3:Z:17:LEU:CD1	2.19	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.69
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.69
2:Y:101:THR:CA	3:Z:127:LYS:H	2.03	0.69
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.69
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.69
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.69
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.69
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.69
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.69
1:C:121:ILE:HB	1:C:669:ARG:NH2	2.06	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.69
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.69
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.69
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.69
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.69
3:Z:42:ILE:HD12	3:Z:44:PRO:HD3	0.70	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.42	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.69
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.69
2:Y:97:ASP:CG	3:Z:124:GLU:O	2.35	0.69
2:Y:99:GLN:N	3:Z:125:ILE:HG22	1.67	0.69
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.69
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.69
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.69
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.69
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.18	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.69
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.69
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.69
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.69
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.69
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.69
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.69
1:C:800:LYS:CA	1:C:804:GLN:H	2.06	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.28	0.69
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.05	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.69
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.69
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.69
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.69
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.69
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.69
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
1:C:166:ASP:N	1:C:720:TYR:CD1	2.59	0.69
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.18	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.69
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.69
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.69
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.69
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.69
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.69
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.69
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:488:PHE:HE2	1:C:492:MET:SD	2.12	0.69
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.69
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.69
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.69
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.69
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.18	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.69
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.69
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.69
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.69
1:C:186:THR:O	1:C:190:ILE:HG23	1.91	0.69
1:C:488:PHE:HE2	1:C:492:MET:SD	2.12	0.69
1:C:494:ILE:CG1	1:C:495:LEU:N	2.54	0.69
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.69
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:280:ARG:NH2	1:C:283:HIS:ND1	2.39	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.69
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.69
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.69
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.69
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.18	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.69
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.69
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.69
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.69
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	2.07	0.69
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.69
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.69
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.69
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.69
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.08	0.69
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.18	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.69
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.69
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.08	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.69
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.69
1:C:502:LYS:HB3	1:C:759:LYS:H	1.56	0.69
1:C:503:GLU:HB3	1:C:760:VAL:HG23	1.75	0.69
1:C:503:GLU:HG2	1:C:759:LYS:C	2.17	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.69
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.69
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.18	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.69
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.28	0.69
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.90	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.18	0.69
1:C:498:GLU:O	1:C:759:LYS:O	2.10	0.69
1:C:498:GLU:CA	1:C:756:GLY:HA2	2.23	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.86	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.69
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.69
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.69
1:C:269:LYS:HG2	1:C:432:ASP:CG	2.15	0.69
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
1:C:773:MET:CA	1:C:776:GLU:HB2	2.23	0.69
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.69
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.69
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.69
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.69
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.67	0.69
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.69
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.69
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
1:C:788:HIS:HE1	3:Z:148:VAL:C	1.99	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.69
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.69
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.69
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.69
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.69
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.69
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.69
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.69
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.69
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.69
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.69
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.69
2:Y:27:ILE:HG13	2:Y:28:ASP:H	1.53	0.69
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.69
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.69
1:C:505:ILE:CD1	1:C:709:SER:HB3	2.12	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.69
3:Z:123:ASP:O	3:Z:126:ILE:CG1	2.33	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.10	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.69
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.69
2:Y:108:TYR:HH	3:Z:118:SER:HG	1.36	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.69
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.69
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.69
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.69
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.87	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.74	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.69
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.69
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.69
1:C:491:HIS:HA	1:C:495:LEU:CG	2.21	0.69
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.69
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.69
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.69
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.69
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.69
1:C:505:ILE:HG13	1:C:753:TYR:HA	1.75	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.69
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.05	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.56	0.69
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
1:C:801:LEU:CB	3:Z:17:LEU:HD11	2.22	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.18	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.69
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.04	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.55	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.69
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.28	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.69
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.69
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.69
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.69
1:C:799:LYS:O	1:C:803:ASP:CA	2.32	0.69
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.69
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.69
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.69
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.69
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.69
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.69
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:800:LYS:CA	1:C:803:ASP:CG	2.64	0.69
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.69
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.69
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.69
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.69
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.69
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.69
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.69
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.58	0.69
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.69
1:C:502:LYS:O	1:C:755:LEU:CD2	2.41	0.69
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.69
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.69
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
1:C:250:HIS:HB3	3:Z:93:PHE:O	1.93	0.69
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.69
1:C:503:GLU:CG	1:C:710:ARG:HB2	2.02	0.69
1:C:507:TRP:HB2	1:C:762:PHE:O	1.93	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.69
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
2:Y:107:GLU:CB	3:Z:120:GLU:OE2	2.41	0.69
2:Y:108:TYR:OH	3:Z:123:ASP:OD2	2.11	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.69
1:C:146:THR:HG21	1:C:768:GLY:N	2.07	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:414:GLN:OE1	1:C:418:GLN:CG	2.39	0.69
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.69
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.69
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.69
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.69
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.69
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.69
2:Y:118:ASP:OD1	3:Z:24:ARG:NH2	2.26	0.69
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.69
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.69
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.69
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.69
1:C:785:PHE:HA	3:Z:86:TYR:CE2	2.25	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
1:C:504:GLY:N	1:C:755:LEU:N	2.27	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.69
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.69
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.10	0.69
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.69
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.10	0.69
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.69
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.69
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.69
1:C:705:LYS:O	1:C:706:GLY:C	2.33	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.69
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.69
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.69
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.69
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.69
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.69
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.69
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.69
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.69
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.69
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.69
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.69
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.69
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.69
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.69
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.69
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.69
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.69
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.69
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.28	0.69
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.69
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.69
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.69
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.69
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.69
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.69
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.69
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.69
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.69
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.69
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.69
1:C:503:GLU:HA	1:C:757:THR:N	2.05	0.69
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.69
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.69
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.69
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.69
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.69
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.69
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.69
1:C:459:LEU:CD1	1:C:660:LEU:HD11	2.20	0.69
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.69
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.69
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.69
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.69
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.69
1:C:502:LYS:HA	1:C:757:THR:HG23	1.73	0.69
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.69
2:Y:93:PHE:CB	2:Y:141:TYR:CD2	2.75	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.69
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.69
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.69
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.69
1:C:477:ILE:CG1	1:C:478:ASN:N	2.56	0.69
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.69
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.69
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.69
1:C:800:LYS:HZ2	2:Y:95:MET:HG2	1.48	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.69
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.69
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.00	0.69
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.69
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.69
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.69
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.69
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.69
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.69
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.69
1:C:800:LYS:HZ2	2:Y:95:MET:HE3	1.58	0.69
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
2:Y:118:ASP:OD1	3:Z:24:ARG:NH2	2.26	0.69
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.69
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.69
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.69
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.69
1:C:129:LEU:O	1:C:129:LEU:HD22	1.91	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.69
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.69
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.69
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.28	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.69
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
2:Y:106:ILE:HA	2:Y:109:ILE:HD12	1.70	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:500:TYR:C	1:C:754:ARG:H	2.00	0.69
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.69
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.18	0.69
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.69
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.69
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.69
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.69
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.69
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.69
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.69
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.69
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.69
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.69
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.69
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.69
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.69
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.69
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.69
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.69
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.69
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.00	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.69
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:254:THR:O	3:Z:108:HIS:CE1	2.45	0.69
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.69
1:C:503:GLU:OE1	1:C:713:TYR:CE1	2.45	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.69
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.69
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.69
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.69
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.18	0.69
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.69
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.69
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.69
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.69
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.69
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.22	0.69
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.69
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.69
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.69
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
1:C:800:LYS:HG2	1:C:804:GLN:HB2	1.71	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.69
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.69
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.69
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.69
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.69
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.69
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.69
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.10	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.69
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.69
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.69
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.69
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.69
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.69
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.69
1:C:687:VAL:CG2	1:C:688:LEU:H	2.03	0.69
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.69
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.69
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.69
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.69
1:C:805:ARG:CG	3:Z:21:TRP:CZ3	2.76	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.69
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.69

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.69
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.69
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.69
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.69
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.69
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.69
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.69
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.58	0.69
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.69
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.69
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.69
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.69
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.69
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.69
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.69
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.69
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.69
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.69
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.69
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.69
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.69
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.69
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.69
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.69
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.69
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.69
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.69
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.68
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.68
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.68
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.68
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.68
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.23	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.68
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.68
1:C:252:GLY:C	1:C:453:ASN:OD1	2.33	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.23	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.23	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.68
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.68
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.68
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
3:Z:117:LEU:O	3:Z:117:LEU:HD22	1.91	0.68
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.23	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:500:TYR:CB	1:C:754:ARG:CG	2.71	0.68
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.58	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.68
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.23	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.68
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.68
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.68
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.68
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.23	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.68
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.68
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.68
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.68
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.68
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.68
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.68
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.68
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.68
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.68
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.68
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.68
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.68
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.68
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
1:C:437:TRP:CA	1:C:440:ARG:HE	1.95	0.68
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.68
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.68
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.68
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.68
2:Y:85:SER:HG	2:Y:88:THR:H	1.41	0.68
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.68
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.68
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.68
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.68
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.68
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.68
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.68
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.68
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.68
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.68
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.68
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.68
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.68
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.68
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:507:TRP:HB2	1:C:763:LYS:HB2	1.75	0.68
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.68
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.68
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.68
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.03	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.68
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.68
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.68
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.68
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.68
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.68
1:C:735:GLY:O	1:C:738:VAL:HG22	1.90	0.68
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.68
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.03	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:510:ILE:HG21	1:C:763:LYS:NZ	2.08	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:498:GLU:OE2	1:C:755:LEU:HD12	1.93	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.03	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.68
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:773:MET:HA	1:C:776:GLU:CG	2.23	0.68
1:C:773:MET:O	1:C:776:GLU:HB2	1.93	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.68
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.68
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.68
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.68
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.03	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.02	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.68
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.03	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.68
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.03	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.68
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.68
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.68
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.03	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.68
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:722:ILE:CG1	1:C:777:ARG:HD2	2.23	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.68
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.68
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.86	0.68
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.68
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.68
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.68
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.10	0.68
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.68
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.68
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.68
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.68
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.68
3:Z:93:PHE:HZ	3:Z:105:GLU:OE2	1.73	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.68
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.68
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.68
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.10	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.68
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:504:GLY:N	1:C:754:ARG:O	2.24	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.68
2:Y:138:LYS:N	3:Z:119:ASP:OD2	2.26	0.68
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.68
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
2:Y:118:ASP:OD1	3:Z:24:ARG:NH2	2.26	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.23	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.68
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.68
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.08	0.68
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.68
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.56	0.68
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.68
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.27	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.68
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.68
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.68
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:504:GLY:C	1:C:760:VAL:CA	2.66	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.68
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.68
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.68
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.68
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.68
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.68
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.68
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.68
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.68
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.68
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.68
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.68
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.68
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.68
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.68
2:Y:94:ALA:CA	3:Z:128:LEU:HD21	2.22	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.00	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.58	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.23	0.68
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.68
1:C:245:LYS:HB2	1:C:460:ASP:CG	2.17	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.42	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.52	0.68
1:C:506:ALA:O	1:C:763:LYS:N	1.93	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.68
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.52	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.68
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.68
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.52	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.68
1:C:505:ILE:CD1	1:C:754:ARG:HE	2.05	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	2.09	0.68
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.68
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.08	0.68
1:C:505:ILE:CD1	1:C:754:ARG:HE	2.05	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.52	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.68
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.68
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.52	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.68
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	2.09	0.68
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.52	0.68
1:C:505:ILE:HG12	1:C:761:PHE:HB3	1.65	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.68
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.68
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.68
1:C:371:GLN:HE22	1:C:373:GLU:HG2	1.56	0.68
1:C:722:ILE:HG23	3:Z:88:GLU:HB3	1.76	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.68
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.07	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.68
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.68
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.68
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.68
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.68
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.68
1:C:563:THR:HG1	1:C:579:GLU:CD	1.82	0.68
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.68
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.68
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.68
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.68
1:C:500:TYR:HB3	1:C:754:ARG:HG3	1.30	0.68
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.68
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.68
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.68
3:Z:145:VAL:O	3:Z:149:MET:HG2	1.92	0.68
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.68
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.68
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.68
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.68
1:C:506:ALA:N	1:C:754:ARG:CG	2.51	0.68
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.68
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.68
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.68
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.68
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.68
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
2:Y:118:ASP:OD1	3:Z:24:ARG:NH2	2.26	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.68
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.68
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.68
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.68
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.68
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.23	0.68
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.68
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.10	0.68
1:C:268:GLU:HG2	1:C:271:ARG:H	1.55	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:350:LYS:NZ	1:C:386:LEU:CG	2.44	0.68
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.68
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.68
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.68
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.68
1:C:502:LYS:O	1:C:757:THR:CG2	2.41	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.68
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
1:C:800:LYS:HA	1:C:804:GLN:HB2	1.75	0.68
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.68
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.68
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.68
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.68
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.68
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.68
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.68
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.68
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.68
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.68
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.68
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.68
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.68
1:C:133:THR:O	1:C:136:VAL:CG2	2.40	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.68
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:144:ARG:HG2	1:C:774:ARG:HH22	1.58	0.68
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.68
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.68
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.68
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.68
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.68
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.68
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.68
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.28	0.68
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.68
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.68
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:220:ILE:HG13	1:C:221:GLN:N	2.06	0.68
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.68
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.68
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.68
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.68
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.68
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.68
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.68
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.07	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
1:C:774:ARG:HD2	1:C:778:LEU:HD11	1.74	0.68
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.68
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.58	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.68
2:Y:118:ASP:OD1	3:Z:24:ARG:NH2	2.26	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.68
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.68
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.89	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.68
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.68
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.68
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.68
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.68
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.68
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.68
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.68
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.68
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.68
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.68
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.68
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.68
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.68
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.68
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.68
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.68
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.68
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.68
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.23	0.68
1:C:272:VAL:HG23	1:C:273:THR:H	1.58	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.07	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.68
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.68
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.68
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.68
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.68
2:Y:141:TYR:CE2	2:Y:145:THR:OG1	2.45	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.68
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.68
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.68
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.68
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.68
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.68
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.68
1:C:507:TRP:HB3	1:C:753:TYR:N	2.09	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.68
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.68
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.68
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.49	0.68
1:C:563:THR:HG1	1:C:579:GLU:CD	1.90	0.68
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.68
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.06	0.68
1:C:788:HIS:CE1	3:Z:148:VAL:C	2.70	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
2:Y:72:PHE:O	2:Y:75:ILE:CD1	2.37	0.68
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.68
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.68
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.68
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.68
1:C:507:TRP:CA	1:C:766:VAL:HG22	2.23	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.68
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.68
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.68
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.49	0.68
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.50	0.68
1:C:563:THR:HG1	1:C:579:GLU:CD	1.90	0.68
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.68
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.68
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.68
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	2.09	0.68
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.03	0.68
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.68
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.58	0.68
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.68
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.68
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.68
1:C:502:LYS:N	1:C:755:LEU:O	2.27	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.68
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.68
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.68
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.68
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.28	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:488:PHE:HE2	1:C:492:MET:SD	2.12	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.58	0.68
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.68
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.68
1:C:798:TYR:O	1:C:801:LEU:N	2.26	0.68
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.68
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:500:TYR:CG	1:C:707:PHE:HB2	2.24	0.68
1:C:505:ILE:CB	1:C:709:SER:HB3	2.17	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.68
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:144:ARG:HG2	1:C:774:ARG:CG	2.20	0.68
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
1:C:477:ILE:CG1	1:C:478:ASN:N	2.56	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.68
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.68
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.68
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.68
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	2.09	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.68
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.68
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.68
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
1:C:577:HIS:ND1	1:C:591:ILE:N	2.39	0.68
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.68
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.68
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.68
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.05	0.68
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.68
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.68
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.05	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.07	0.68
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:507:TRP:CE3	1:C:707:PHE:HE1	2.12	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.68
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.68
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.07	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.68
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.68
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.02	0.68
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68
1:C:510:ILE:CG2	1:C:763:LYS:NZ	2.57	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:HG23	1:C:762:PHE:H	1.59	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.68
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.68
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.68
1:C:563:THR:HG1	1:C:579:GLU:CD	1.90	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.68
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.68
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.68
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.08	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.68
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.57	0.68
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.68
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.68
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.68
1:C:229:TYR:HA	1:C:284:ILE:HD13	1.73	0.68
1:C:503:GLU:C	1:C:757:THR:HG23	2.18	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.68
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.68
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.68
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.68
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
1:C:174:ILE:HD11	1:C:182:LYS:HB3	1.71	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.68
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.68
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.68
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.68
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.53	0.68
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68
1:C:696:VAL:CG2	1:C:697:LEU:H	2.03	0.68
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.68
1:C:506:ALA:CB	1:C:754:ARG:HH21	1.97	0.68
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.68
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.68
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.68
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.68
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.68
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.68
1:C:503:GLU:HG2	1:C:756:GLY:HA3	1.75	0.68
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.68
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.68
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.68
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.68
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.68
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.68
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.68
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.68
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.68
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.68
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.68
1:C:506:ALA:N	1:C:754:ARG:HG2	2.04	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.68
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.68
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.68
1:C:265:TYR:CE1	1:C:652:SER:OG	2.45	0.68
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.68
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.59	0.68
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.68
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.68
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.68
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.68
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
2:Y:52:ASP:OD1	2:Y:55:GLU:CG	2.40	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.68
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.68
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	2.09	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.68
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.68
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.68
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.68
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.68
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.68
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.68
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.68
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.68
1:C:496:GLU:HB2	1:C:754:ARG:HG3	1.75	0.68
1:C:505:ILE:H	1:C:709:SER:HB3	1.58	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.68
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.68
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.68
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.68
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.55	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.68
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.55	0.68
1:C:54:ASP:OD1	1:C:70:LYS:HG3	1.92	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.68
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.58	0.68
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.68
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.68
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.68
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.68
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
2:Y:85:SER:OG	2:Y:88:THR:N	2.20	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.58	0.68
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.68
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.68
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.68
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.68
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.68
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.68
1:C:675:GLU:OE1	1:C:676:LEU:N	2.26	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.05	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.68
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.68
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.68
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.68
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.68
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.07	0.68
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.68
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.68
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.68
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.68
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.58	0.68
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.68
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.68
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.68
1:C:505:ILE:CG1	1:C:754:ARG:CG	2.62	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.68
1:C:675:GLU:OE1	1:C:676:LEU:N	2.26	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.08	0.68
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.68
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.68
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.26	0.68
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.68
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.68
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.22	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.68
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.07	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.68
1:C:675:GLU:OE1	1:C:676:LEU:N	2.26	0.68
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.68
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.68
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.68
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.68
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.68
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.58	0.68
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.68
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.68
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.68
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.68
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.68
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:144:ARG:CD	1:C:774:ARG:H	2.06	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.68
1:C:675:GLU:OE1	1:C:676:LEU:N	2.26	0.68
2:Y:94:ALA:CA	3:Z:128:LEU:CD2	2.72	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.68
1:C:506:ALA:CB	1:C:766:VAL:HG12	1.22	0.68
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.68
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.68
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.68
1:C:500:TYR:HE1	1:C:707:PHE:CB	2.02	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.68
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
1:C:802:GLN:HG2	3:Z:17:LEU:HD12	1.76	0.68
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.68
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.68
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.68
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.68
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.68
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.10	0.68
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.68
2:Y:117:GLY:HA2	3:Z:20:PHE:HA	1.76	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:507:TRP:CH2	1:C:706:GLY:O	2.41	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
2:Y:99:GLN:HG2	3:Z:128:LEU:CA	2.04	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.68
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.68
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.68
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.07	0.68
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.68
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.68
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.68
1:C:216:GLU:HG2	1:C:217:ASP:H	1.56	0.68
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.68
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
2:Y:36:SER:N	2:Y:39:ASP:OD2	2.23	0.68
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.68
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.68
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.28	0.68
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.68
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.68
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.68
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.68
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.68
1:C:507:TRP:HE3	1:C:707:PHE:HE1	1.39	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.68
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.68
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.68
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.68
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.08	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.68
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.68
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.68
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.68
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.68
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.68
1:C:463:GLY:HA2	1:C:481:ASN:HD21	1.57	0.68
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.68
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.68
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.68
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.68
1:C:500:TYR:HA	1:C:761:PHE:CZ	2.29	0.68
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.68
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.68
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.68
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.07	0.68
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.68
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.68
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.68
2:Y:53:ASP:OD2	2:Y:54:LYS:HD2	1.92	0.68
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.68
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.68
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.68
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.07	0.68
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.68
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.68
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.68
1:C:792:TYR:HH	2:Y:98:GLU:CG	2.04	0.68
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.58	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
2:Y:101:THR:CA	3:Z:126:ILE:HG13	2.24	0.68
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.68
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.68
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.68
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.68
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.68
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.68
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.68
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.18	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:118:ASP:OD1	3:Z:24:ARG:NH2	2.26	0.68
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.68
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.68
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.68
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.68
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.68
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.68
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.68
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.68
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.68
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.68
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.68
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.68
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.68
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.68
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.07	0.68
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.68
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.68
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.68
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.68
1:C:39:GLU:H	1:C:39:GLU:CD	2.02	0.68
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.68
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.68
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.68
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.85	0.68
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.68
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.68
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.41	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.68
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.68
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.68
1:C:138:ALA:C	3:Z:113:LEU:CD1	2.65	0.68
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.68
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.68
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.68
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.68
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.68
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.68
1:C:696:VAL:CG2	1:C:697:LEU:H	2.04	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.68
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.68
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.68
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.68
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.07	0.68
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.68
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.68
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.68
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.68
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.68
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.68
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.22	0.68
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.68
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.68
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.68
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.28	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.68
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.68
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.68
1:C:503:GLU:OE1	1:C:713:TYR:OH	2.11	0.68
1:C:502:LYS:CE	1:C:713:TYR:HE2	2.02	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.68
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.68
1:C:801:LEU:CB	3:Z:17:LEU:HD11	2.24	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.68
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:27:ILE:CD1	2:Y:35:VAL:HG12	2.09	0.68
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.68
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.68
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.59	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.68
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:147:GLU:CG	1:C:774:ARG:NH2	2.57	0.68
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.68
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.68
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.68
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.68
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.68
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.85	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
2:Y:44:SER:OG	2:Y:50:ALA:CB	2.40	0.68
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.68
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.68
1:C:506:ALA:HA	1:C:753:TYR:CB	2.05	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.68
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.68
1:C:498:GLU:HB3	1:C:756:GLY:HA3	1.75	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.68
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.68
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.07	0.68
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.68
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.68
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.68
1:C:781:ILE:HD11	3:Z:89:ALA:HB1	1.73	0.68
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.68
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.68
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.68
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.68
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.68
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.68
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.68
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.68
1:C:254:THR:OG1	3:Z:95:ARG:CZ	2.42	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	2.09	0.68
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.68
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.68
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.68
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.68
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.68
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.68
1:C:505:ILE:CD1	1:C:754:ARG:HE	2.05	0.68
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:507:TRP:NE1	1:C:508:GLU:O	2.26	0.68
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.68
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.58	0.68
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.68
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.68
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.68
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.68
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.68
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.68
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.68
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.53	0.68
1:C:503:GLU:CB	1:C:756:GLY:CA	2.69	0.68
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.68
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.68
1:C:499:GLU:HG3	1:C:710:ARG:NH1	2.08	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.56	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.68
2:Y:138:LYS:HD3	3:Z:123:ASP:CA	2.23	0.68
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.68
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.68
1:C:502:LYS:NZ	1:C:756:GLY:CA	2.57	0.68
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.68
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.68
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.68
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.68
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.68
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.68
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.68
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.68
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.68
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.68
1:C:801:LEU:CB	3:Z:17:LEU:HD11	2.24	0.68
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.68
2:Y:134:VAL:CG1	2:Y:139:PHE:CD1	2.69	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:503:GLU:HB2	1:C:755:LEU:N	2.10	0.68
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.68
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.68
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.68
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.68
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.08	0.68
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.68
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.68
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.68
1:C:164:VAL:CG1	1:C:775:ASP:HA	2.24	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.68
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.68
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.68
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.68
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.68
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.68
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.68
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.68
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.68
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.68
1:C:563:THR:OG1	1:C:579:GLU:OE2	0.68	0.68
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.68
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.68
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.68
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.68
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.68
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.02	0.68
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.68
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.68
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.68
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.68
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:508:GLU:CA	1:C:751:ALA:CA	2.67	0.68
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.68
1:C:805:ARG:CD	3:Z:20:PHE:CD2	2.76	0.68
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.68
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.68
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.68
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.68
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.68
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.68
2:Y:118:ASP:OD1	3:Z:24:ARG:NH2	2.26	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.68
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.68
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.68
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	2.09	0.68
3:Z:119:ASP:C	3:Z:122:VAL:HG13	2.15	0.68
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.68
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.68
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.68
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.68
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.68
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.68
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.68
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.68
1:C:437:TRP:CH2	1:C:620:GLU:CB	2.76	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.68
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.68
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.68
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.68
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.68
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.68
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.68
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.68
1:C:217:ASP:O	1:C:221:GLN:HG2	1.94	0.68
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.68
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.68
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.68
1:C:500:TYR:CB	1:C:761:PHE:O	2.38	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.68
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.68
1:C:217:ASP:O	1:C:221:GLN:HG2	1.94	0.68
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.68
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.68
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.68
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.68
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.68
2:Y:103:LYS:HB2	3:Z:123:ASP:OD2	1.93	0.68
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.68
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.68
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.68
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.68
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.68
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.68
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.68
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.68
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.68
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.68
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.68
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.68
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.68
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.68
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.68
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.68
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.68
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.68
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.68
1:C:217:ASP:O	1:C:221:GLN:HG2	1.94	0.68
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.68
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.68
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.68
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.68
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.68
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.68
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.68
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.68
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.68
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.68
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.68
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.68
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.68
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.68

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.68
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.68
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.68
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.68
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.68
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.68
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.68
1:C:645:ILE:CG1	1:C:646:SER:N	2.56	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.68
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.68
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.68
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.68
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.68
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.68
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.68
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.68
1:C:217:ASP:O	1:C:221:GLN:HG2	1.94	0.68
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.68
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.68
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.68
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.68
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.77	0.67
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.67
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.67
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.67
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.67
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.67
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.77	0.67
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67
2:Y:96:PHE:HD2	2:Y:104:LEU:HD21	1.57	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:499:GLU:O	1:C:710:ARG:CA	2.37	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.77	0.67
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.77	0.67
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.67
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.67
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.67
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.67
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.67
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.67
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.89	0.67
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.77	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.67
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.67
1:C:722:ILE:C	1:C:777:ARG:HD3	2.15	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:800:LYS:O	1:C:804:GLN:CB	2.41	0.67
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.77	0.67
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:167:ARG:HD3	1:C:718:GLN:HE22	1.60	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.67
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.67
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:502:LYS:HD2	1:C:713:TYR:OH	1.93	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.77	0.67
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.67
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.67
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.67
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.67
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.67
2:Y:99:GLN:HB3	3:Z:127:LYS:O	1.95	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:505:ILE:HG12	1:C:754:ARG:HB2	1.72	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.67
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.67
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.67
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.67
1:C:8:PRO:CG	3:Z:115:GLU:OE1	2.41	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:148:ILE:HG22	1:C:775:ASP:CB	2.21	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.67
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.67
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.67
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.67
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.67
1:C:488:PHE:HE2	1:C:492:MET:SD	2.12	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.67
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.67
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.67
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.67
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.67
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.67
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.67
1:C:583:TYR:CE1	1:C:584:ALA:HB3	2.27	0.67
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.67
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.67
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.67
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.67
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.67
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.67
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:174:ILE:HB	1:C:668:VAL:CG2	2.19	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.67
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.67
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.67
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.67
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.67
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.67
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.67
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.58	0.67
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.67
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.67
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.67
1:C:500:TYR:HD2	1:C:761:PHE:HB3	1.54	0.67
1:C:502:LYS:NZ	1:C:756:GLY:C	2.50	0.67
1:C:712:ILE:CD1	1:C:715:GLU:HB2	2.22	0.67
1:C:723:LEU:CA	1:C:777:ARG:NH2	2.55	0.67
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:801:LEU:CD2	3:Z:21:TRP:HZ3	2.04	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.67
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.67
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.02	0.67
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.58	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.67
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.67
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.58	0.67
1:C:509:PHE:HD1	1:C:753:TYR:H	1.41	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.58	0.67
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.67
1:C:518:MET:O	1:C:519:CYS:C	2.35	0.67
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.67
1:C:518:MET:O	1:C:519:CYS:C	2.35	0.67
1:C:746:LEU:HD11	1:C:777:ARG:NH2	2.07	0.67
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.23	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.67
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.67
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.67
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.67
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.58	0.67
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.67
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.67
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.58	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.67
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:167:ARG:HD3	1:C:718:GLN:NE2	2.09	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.58	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.58	0.67
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.67
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
2:Y:118:ASP:OD1	3:Z:24:ARG:NH2	2.27	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.67
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.67
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.67
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.67
1:C:801:LEU:HD21	3:Z:21:TRP:CZ3	2.28	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.67
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.67
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.67
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.67
1:C:573:GLN:CD	1:C:573:GLN:C	2.62	0.67
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.67
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.53	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:507:TRP:CZ3	1:C:707:PHE:CA	2.76	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.53	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:506:ALA:C	1:C:763:LYS:H	2.02	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
1:C:792:TYR:CE1	2:Y:98:GLU:CG	2.73	0.67
2:Y:100:GLU:H	3:Z:128:LEU:HG	1.59	0.67
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.67
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.67
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	2.09	0.67
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.67
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.67
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.28	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.67
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.67
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.67
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.67
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.53	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:502:LYS:CD	1:C:757:THR:HG23	2.23	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.67
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.67
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.67
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.67
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.67
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.67
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.67
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.26	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.67
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:723:LEU:CD2	1:C:777:ARG:CD	2.65	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.67
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.67
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.67
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.67
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.67
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.53	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
1:C:800:LYS:HA	1:C:803:ASP:OD1	1.93	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.67
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.03	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.67
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.67
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.67
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.67
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.67
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.67
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:494:ILE:HD11	1:C:755:LEU:HD12	1.76	0.67
1:C:508:GLU:N	1:C:763:LYS:HB3	2.09	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.67
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.67
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
3:Z:132:GLN:O	3:Z:132:GLN:OE1	2.11	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.67
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
2:Y:135:GLU:O	2:Y:135:GLU:HG2	1.91	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
1:C:800:LYS:O	1:C:801:LEU:HA	1.94	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.67
1:C:805:ARG:CA	3:Z:21:TRP:HZ3	2.07	0.67
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.67
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.67
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.94	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.67
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.94	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.67
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.67
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.67
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.67
1:C:796:LYS:HE3	2:Y:98:GLU:HB2	1.76	0.67
2:Y:99:GLN:HG3	3:Z:127:LYS:HG2	1.51	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.59	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.67
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.67
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.94	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.67
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.67
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:800:LYS:HA	1:C:804:GLN:CA	2.23	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.94	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.67
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:503:GLU:HB3	1:C:760:VAL:C	2.17	0.67
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.43	0.67
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.58	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.67
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.67
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:800:LYS:C	1:C:801:LEU:N	2.52	0.67
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.67
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.67
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.67
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.67
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.67
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.94	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:505:ILE:CD1	1:C:754:ARG:HE	2.07	0.67
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.86	0.67
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.43	0.67
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.67
1:C:801:LEU:HD13	3:Z:21:TRP:HE3	1.57	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.67
1:C:193:LEU:CD1	1:C:251:PHE:HZ	2.05	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.94	0.67
1:C:645:ILE:HD12	1:C:649:HIS:ND1	2.08	0.67
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:518:MET:O	1:C:519:CYS:C	2.35	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.67
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.67
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.67
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
1:C:449:LYS:CA	3:Z:100:PHE:CG	2.58	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.67
2:Y:106:ILE:C	2:Y:109:ILE:HD13	2.17	0.67
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.67
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.67
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.67
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.25	0.67
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.67
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.67
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:500:TYR:C	1:C:754:ARG:N	2.49	0.67
1:C:504:GLY:C	1:C:743:LEU:HD11	2.10	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.67
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.67
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.67
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.67
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.85	0.67
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.67
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.67
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.67
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.67
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.67
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.94	0.67
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.53	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.67
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.67
1:C:144:ARG:NH1	1:C:715:GLU:CG	2.55	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.56	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.67
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:48:ILE:O	1:C:48:ILE:HG12	1.94	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.56	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.67
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.67
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	2.09	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.67
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.67
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.67
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:800:LYS:CA	1:C:804:GLN:N	2.56	0.67
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.67
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:266:LEU:HD21	1:C:649:HIS:CD2	2.28	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.67
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.67
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.67
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.07	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67
1:C:507:TRP:NE1	1:C:508:GLU:O	2.27	0.67
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.67
1:C:563:THR:HG1	1:C:579:GLU:CD	1.87	0.67
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.43	0.67
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.67
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.67
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.67
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.67
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.67
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.56	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.77	0.67
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.67
1:C:800:LYS:O	1:C:801:LEU:HA	1.93	0.67
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.67
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.28	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.67
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.67
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.67
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.07	0.67
2:Y:108:TYR:CZ	3:Z:120:GLU:HB3	2.28	0.67
2:Y:138:LYS:CD	3:Z:126:ILE:HD11	2.24	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.47	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.67
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
2:Y:87:GLU:O	2:Y:91:ASN:ND2	2.26	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:802:GLN:HE22	3:Z:17:LEU:HB2	1.59	0.67
2:Y:121:ASN:CG	2:Y:124:GLU:HG2	2.16	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.67
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.67
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.67
1:C:285:PHE:CD2	1:C:312:ILE:CB	2.69	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:358:MET:CE	1:C:426:LEU:CB	2.55	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
1:C:603:ASN:O	1:C:603:ASN:ND2	2.26	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.33	0.67
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.67
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.67
1:C:507:TRP:CB	1:C:763:LYS:CB	2.19	0.67
1:C:518:MET:O	1:C:519:CYS:C	2.35	0.67
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.67
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.67
1:C:502:LYS:O	1:C:755:LEU:HB3	1.86	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.67
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.28	0.67
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.67
1:C:518:MET:O	1:C:519:CYS:C	2.35	0.67
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.67
1:C:500:TYR:CE1	1:C:707:PHE:HB2	2.30	0.67
1:C:518:MET:O	1:C:519:CYS:C	2.35	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:595:LEU:HD13	1:C:596:GLU:H	0.66	0.67
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.67
1:C:507:TRP:H	1:C:754:ARG:NH1	1.90	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.67
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.67
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.67
1:C:518:MET:O	1:C:519:CYS:C	2.35	0.67
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.43	0.67
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.67
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.67
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.67
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.67
1:C:507:TRP:HZ3	1:C:706:GLY:O	1.78	0.67
1:C:518:MET:O	1:C:519:CYS:C	2.35	0.67
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.59	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.67
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.67
1:C:126:TYR:HE2	1:C:679:PRO:HD3	0.86	0.67
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.67
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.67
1:C:518:MET:O	1:C:519:CYS:C	2.35	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.67
1:C:573:GLN:CD	1:C:573:GLN:C	2.62	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.67
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.67
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.67
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.67
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.67
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.67
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.67
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.67
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.67
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.67
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.67
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.67
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
1:C:129:LEU:H	1:C:129:LEU:HD12	1.59	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.58	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.67
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.67
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.67
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.67
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:573:GLN:CD	1:C:573:GLN:C	2.62	0.67
1:C:311:PHE:C	1:C:311:PHE:HD1	1.75	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.67
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.67
1:C:573:GLN:CD	1:C:573:GLN:C	2.62	0.67
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.67
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.67
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.67
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.60	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.67
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.67
3:Z:90:PHE:HE1	3:Z:106:LEU:HD21	1.56	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.67
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
1:C:144:ARG:HB2	1:C:771:GLU:HG3	1.70	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.67
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.67
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.67
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.67
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.67
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.67
1:C:573:GLN:CD	1:C:573:GLN:C	2.62	0.67
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.67
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.67
2:Y:99:GLN:HG3	3:Z:125:ILE:HD12	1.75	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.25	0.67
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.67
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
2:Y:93:PHE:CD2	2:Y:141:TYR:HB3	2.28	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.67
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.67
1:C:505:ILE:HD13	1:C:761:PHE:O	1.94	0.67
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:118:ASP:OD1	3:Z:24:ARG:NH2	2.26	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.33	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.67
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.67
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.67
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.67
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.33	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.33	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.67
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.94	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.67
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.67
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.67
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.94	0.67
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.67
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.67
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.67
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.67
1:C:743:LEU:CD2	1:C:748:MET:HG3	2.23	0.67
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.33	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.67
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.67
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.67
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.67
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.33	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.67
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.67
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.67
1:C:502:LYS:HB3	1:C:713:TYR:HH	1.59	0.67
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.67
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:489:ASN:ND2	1:C:514:MET:CE	2.34	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.33	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.67
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.67
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.67
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.67
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.67
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.67
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.67
1:C:497:GLN:OE1	1:C:754:ARG:CA	2.33	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.67
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.67
2:Y:99:GLN:CA	3:Z:124:GLU:CB	2.73	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.67
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.67
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.67
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:703:CYS:CB	1:C:764:ALA:CB	2.73	0.67
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.56	0.67
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.67
1:C:705:LYS:O	1:C:706:GLY:O	2.11	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.67
1:C:788:HIS:CE1	3:Z:149:MET:SD	2.87	0.67
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.67
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.06	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.59	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.67
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.67
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.67
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.67
1:C:500:TYR:CE1	1:C:707:PHE:CA	2.77	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.58	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.67
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.67
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.67
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	2.10	0.67
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.67
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.23	0.67
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.67
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.67
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.67
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.67
1:C:216:GLU:O	1:C:220:ILE:HG23	1.93	0.67
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.67
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.67
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.58	0.67
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.67
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.67
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.54	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:725:PRO:HD3	1:C:777:ARG:NH2	2.10	0.67
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.67
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.67
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
1:C:177:GLU:HG3	1:C:672:ILE:HG23	1.58	0.67
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.67
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.67
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.67
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.67
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.67
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.67
1:C:451:LYS:HD3	3:Z:141:TYR:CB	2.24	0.67
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.86	0.67
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.67
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.67
1:C:501:LYS:N	1:C:762:PHE:H	1.66	0.67
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.58	0.67
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.67
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.67
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.67
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.67
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.67
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.67
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.67
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.67
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.59	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.67
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.67
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.67
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.67
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.67
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.67
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.67
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.67
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.67
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.67
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.67
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.67
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.67
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.77	0.67
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.67
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.67
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.67
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.67
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.67
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.06	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.67
1:C:834:LYS:CB	1:C:835:PRO:CD	2.68	0.67
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.67
1:C:148:ILE:HG21	3:Z:95:ARG:HD2	1.71	0.67
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.67
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.67
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.67
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.67
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.29	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.67
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.94	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.67
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.67
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.67
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.67
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.67
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.67
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.67
1:C:792:TYR:HE2	2:Y:99:GLN:CD	2.03	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67
2:Y:103:LYS:O	3:Z:124:GLU:OE1	2.13	0.67
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.67
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.67	0.67
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.67
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.67
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.67
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.67
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.67
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.67
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.67
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:394:LEU:HD23	1:C:609:LEU:CD1	2.24	0.67
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.67
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.67
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
1:C:500:TYR:CB	1:C:754:ARG:CB	2.71	0.67
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.67
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.67
1:C:231:ASN:CB	1:C:283:HIS:CD2	2.76	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.67
1:C:268:GLU:CD	1:C:271:ARG:CB	2.67	0.67
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.56	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.67
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.56	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.67
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:257:ILE:O	3:Z:95:ARG:NH2	2.18	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.56	0.67
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.67
1:C:792:TYR:CZ	3:Z:128:LEU:HD12	2.26	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.67
1:C:691:LEU:CD2	1:C:696:VAL:HG11	2.23	0.67
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.02	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.67
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.67
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.67
1:C:342:LYS:O	1:C:346:GLN:HG2	1.93	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.67
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.67
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.67
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.67
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.67
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.67
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.67
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.02	0.67
1:C:253:PRO:O	3:Z:95:ARG:NE	2.28	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.94	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.02	0.67
1:C:451:LYS:HD2	3:Z:141:TYR:HB3	1.76	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.67
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:500:TYR:CB	1:C:762:PHE:CA	2.72	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.67
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.02	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.94	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.67
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.85	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.02	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.02	0.67
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.67
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.08	0.67
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.67
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.67
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.67
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.02	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.67
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.67
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.67
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.67
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.02	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.67
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.67
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.67
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.67
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.02	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.77	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:218:GLN:H	1:C:218:GLN:CD	2.02	0.67
1:C:501:LYS:N	1:C:761:PHE:N	2.34	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.67
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.67
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.94	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.67
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.67
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.67
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.94	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.67
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.94	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.67
2:Y:138:LYS:NZ	3:Z:123:ASP:H	1.71	0.67
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.67
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.67
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.59	0.67
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.67
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.67
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.67
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.53	0.67
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.94	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.67
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.67
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.67
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.94	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.67
1:C:488:PHE:HE2	1:C:492:MET:SD	2.12	0.67
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.67
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.67
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.67
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.67
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.67
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.67
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
1:C:654:ASN:ND2	1:C:655:LYS:N	2.41	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.67
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.43	0.67
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.94	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.67
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.67
1:C:506:ALA:HB2	1:C:766:VAL:CA	2.21	0.67
1:C:508:GLU:HG2	1:C:751:ALA:HB2	1.59	0.67
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.06	0.67
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.67
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.06	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.67
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.67
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.67
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.67
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.09	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:508:GLU:N	1:C:763:LYS:HB2	1.90	0.67
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.67
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.67
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.67
1:C:505:ILE:HD11	1:C:754:ARG:CZ	2.24	0.67
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.67
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.06	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.06	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.67
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.67
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.06	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.67
1:C:799:LYS:O	1:C:803:ASP:OD1	2.13	0.67
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.77	0.67
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.67
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
1:C:717:LYS:HD2	1:C:738:VAL:CB	2.23	0.67
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.67
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.94	0.67
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.67
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.67
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.67
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.67
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.06	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.67
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.67
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.67
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.67
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.06	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.67
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.67
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.06	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.67
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.67
1:C:285:PHE:CG	1:C:311:PHE:HZ	2.06	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.28	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.67
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:505:ILE:HD11	1:C:761:PHE:H	1.56	0.67
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.67
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.67
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.67
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.67
1:C:489:ASN:HD21	1:C:514:MET:HE1	1.53	0.67
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.67
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.67
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.10	0.67
1:C:437:TRP:CA	1:C:440:ARG:NH2	2.53	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.67
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.67
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.67
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.67
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.43	0.67
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.01	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:148:ILE:CG2	1:C:775:ASP:CB	2.72	0.67
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.67
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.67
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.67
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.67
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.67
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.67
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.67
2:Y:118:ASP:OD1	3:Z:24:ARG:NH2	2.27	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:501:LYS:CA	1:C:754:ARG:C	2.34	0.67
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.67
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.67
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.67
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.10	0.67
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.67
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	2.09	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.67
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.94	0.67
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.10	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:771:GLU:OE1	1:C:775:ASP:OD2	2.11	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.67
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.67
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.67
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.67
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.67
1:C:350:LYS:HE3	1:C:386:LEU:CG	2.24	0.67
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.67
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.67
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:81:GLY:C	3:Z:86:TYR:HE1	2.01	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.57	0.67
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.67
1:C:799:LYS:O	1:C:804:GLN:N	2.19	0.67
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.67
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.67
1:C:423:VAL:HG23	1:C:424:GLY:N	2.08	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.67
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.67
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.67
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.28	0.67
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.67
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.22	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.77	0.67
2:Y:116:MET:SD	3:Z:22:ASP:C	2.78	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.67
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.67
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:499:GLU:CB	1:C:761:PHE:CZ	2.52	0.67
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.67
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.28	0.67
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.67
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.67
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
1:C:736:LYS:O	1:C:740:GLU:CG	2.40	0.67
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.67
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.67
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.67
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.67
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.67
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.67
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.67
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.67
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.67
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.67
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.67
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:338:LEU:CD1	1:C:340:PHE:HE2	2.06	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.67
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.67
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.67
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.67
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.67
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67
1:C:477:ILE:CG1	1:C:478:ASN:N	2.56	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.67
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.67
1:C:800:LYS:C	1:C:801:LEU:HA	2.19	0.67
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.67
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.67
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.67
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.67
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.67
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.67
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.67
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.67
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.67
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.67
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.67
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.67
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:498:GLU:C	1:C:754:ARG:C	2.63	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:502:LYS:O	1:C:713:TYR:OH	2.11	0.67
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.67
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.67
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.67
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.67
1:C:12:TYR:CZ	1:C:129:LEU:HD23	2.28	0.67
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.67
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.67
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.67
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
1:C:807:GLY:O	1:C:810:VAL:HG22	1.95	0.67
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.67
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.67
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.67
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.67
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.67
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.67
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.67
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.67
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.67
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:499:GLU:CB	1:C:761:PHE:CZ	2.76	0.67
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.67
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.67
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.67
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.67
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.67
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.67
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.67
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.67
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.67
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.67
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.67
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.67
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.67
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.67
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.67
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.67
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.67
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.67
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.67
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.67
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.67
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.67
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.67
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.67
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.67
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.67

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.67
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.67
1:C:485:GLN:C	1:C:485:GLN:OE1	2.37	0.67
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.67
1:C:726:ASN:H	1:C:726:ASN:HD22	1.43	0.67
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.67
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.67
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.67
2:Y:149:LYS:HG2	2:Y:150:GLY:N	2.07	0.67
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.66
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.66
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.66
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.66
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.55	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.66
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.66
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.66
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.66
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:496:GLU:C	1:C:761:PHE:HE2	2.03	0.66
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.66
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.85	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.66
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.55	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.66
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.55	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.02	0.66
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:503:GLU:CB	1:C:756:GLY:HA2	2.12	0.66
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.66
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.66
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.55	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.96	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:56:ILE:CG1	1:C:69:VAL:HG22	2.23	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.66
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.66
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.66
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.66
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.55	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.30	0.66
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.66
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.66
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.55	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.66
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.66
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.66
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.66
1:C:282:TYR:HE2	1:C:284:ILE:CG2	2.07	0.66
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.66
1:C:675:GLU:OE1	1:C:676:LEU:N	2.26	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
3:Z:83:PHE:O	3:Z:87:MET:CG	2.38	0.66
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.66
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.61	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.66
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.66
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.66
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.66
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.66
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.66
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.66
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.66
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.66
3:Z:44:PRO:CD	3:Z:75:LEU:HD11	2.20	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.66
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.66
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.84	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.66
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.66
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.66
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.28	0.66
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.66
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.66
1:C:801:LEU:HD21	3:Z:21:TRP:CZ3	2.30	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.66
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:502:LYS:HG3	1:C:757:THR:CB	2.21	0.66
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.96	0.66
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.66
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.66
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.66
1:C:505:ILE:HG23	1:C:754:ARG:H	1.59	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.30	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.66
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.66
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.66
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.66
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.66
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:503:GLU:HB3	1:C:761:PHE:CE1	2.19	0.66
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.66
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.66
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.66
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.66
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:771:GLU:OE1	1:C:774:ARG:NE	2.26	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.66
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.66
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.66
1:C:469:PHE:CZ	1:C:590:SER:HB3	2.29	0.66
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.66
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.66
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.23	0.66
1:C:246:PHE:HE2	1:C:248:ARG:HD3	1.51	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.66
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.66
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.66
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.66
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.66
1:C:495:LEU:CA	1:C:755:LEU:N	2.55	0.66
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.66
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.66
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.66
1:C:508:GLU:CD	1:C:749:ASP:OD1	2.38	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.66
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.66
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
1:C:799:LYS:O	1:C:802:GLN:N	2.28	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.66
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.66
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.66
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.66
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.66
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.28	0.66
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
3:Z:96:GLU:H	3:Z:96:GLU:CD	2.01	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.66
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.66
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.66
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.66
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.58	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.66
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.66
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.66
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.66
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.66
1:C:834:LYS:CB	1:C:835:PRO:CD	2.68	0.66
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.66
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.66
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.66
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.66
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.66
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.66
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.66
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:503:GLU:OE1	1:C:759:LYS:N	2.21	0.66
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.66
2:Y:138:LYS:CE	3:Z:123:ASP:HB3	2.24	0.66
3:Z:63:LEU:HD22	3:Z:64:PRO:HD2	1.75	0.66
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.66
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.66
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.66
1:C:694:ASN:H	1:C:694:ASN:HD22	1.43	0.66
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.84	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.66
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.66
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.66
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.66
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:477:ILE:CG1	1:C:478:ASN:N	2.56	0.66
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.82	0.66
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.66
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.66
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.66
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.66
1:C:48:ILE:O	1:C:48:ILE:HG12	1.94	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.59	0.66
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:552:TYR:CA	1:C:556:MET:HG2	2.21	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
1:C:104:ARG:HH12	1:C:684:ALA:HB2	0.87	0.66
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.66
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.66
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:508:GLU:HB2	1:C:751:ALA:HB1	0.69	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.66
1:C:722:ILE:HG12	1:C:777:ARG:HD2	1.77	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:39:GLU:H	1:C:39:GLU:CD	2.02	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.26	0.66
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:218:GLN:H	1:C:218:GLN:CD	2.02	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:500:TYR:CE2	1:C:707:PHE:CD1	2.67	0.66
1:C:510:ILE:CG2	1:C:763:LYS:HE2	2.24	0.66
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.66
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.66
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.66
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.66
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.66
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.66
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
1:C:742:ILE:HD11	1:C:743:LEU:HG	1.75	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:HG3	1.93	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:506:ALA:O	1:C:754:ARG:CG	2.27	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
1:C:724:ALA:N	1:C:725:PRO:CD	2.57	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
1:C:801:LEU:CD2	3:Z:21:TRP:CZ3	2.78	0.66
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.66
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.66
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.66
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.66
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
2:Y:37:LYS:NZ	2:Y:56:LEU:HB3	2.09	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.66
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.66
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.66
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.66
1:C:502:LYS:O	1:C:757:THR:CB	2.44	0.66
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.66
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.07	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.66
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:86:GLU:OE1	1:C:106:ARG:NH2	2.27	0.66
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.66
2:Y:99:GLN:HA	3:Z:128:LEU:HB3	1.67	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.66
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.66
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.66
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.66
1:C:5:PHE:HZ	1:C:780:LYS:CA	1.99	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.66
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.66
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:516:LEU:HD22	1:C:519:CYS:SG	2.34	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:800:LYS:N	1:C:804:GLN:H	1.93	0.66
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.96	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.66
1:C:832:LYS:HZ3	2:Y:48:GLY:N	1.92	0.66
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.96	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:437:TRP:HA	1:C:440:ARG:CZ	2.24	0.66
1:C:726:ASN:H	1:C:726:ASN:HD22	1.43	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.66
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.66
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.28	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.66
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.66
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.66
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.66
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.66
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.66	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.66
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.66
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.28	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.66
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.66
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.66
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.66
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.77	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.28	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.26	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.66
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.10	0.66
1:C:800:LYS:C	1:C:801:LEU:HA	2.20	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.28	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.66
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.66
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.66
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.66
1:C:723:LEU:CA	1:C:777:ARG:HD3	2.18	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.28	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.66
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.28	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.66
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.28	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.66
1:C:505:ILE:CG2	1:C:753:TYR:CB	2.70	0.66
1:C:505:ILE:HD11	1:C:752:GLU:CB	2.11	0.66
1:C:518:MET:O	1:C:519:CYS:C	2.36	0.66
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.66
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
1:C:726:ASN:H	1:C:726:ASN:HD22	1.43	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:496:GLU:OE2	1:C:708:PRO:CA	2.42	0.66
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.66
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.66
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.66
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.66
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.66
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.66
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:139:LYS:CG	3:Z:95:ARG:HH12	2.03	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.66
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.66
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.66
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.66
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.66
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.10	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.10	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.66
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.66
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.66
1:C:282:TYR:HE2	1:C:285:PHE:N	1.82	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
1:C:799:LYS:CG	1:C:803:ASP:O	2.33	0.66
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.66
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.66
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.60	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.10	0.66
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.66
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.66
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.66
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.66
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.66
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.66
1:C:503:GLU:HB3	1:C:756:GLY:CA	2.26	0.66
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.66
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.66
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.66
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.66
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.66
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:507:TRP:HZ3	1:C:707:PHE:CD1	2.13	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.95	0.66
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
1:C:694:ASN:H	1:C:694:ASN:HD22	1.43	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:520:ILE:O	1:C:523:ILE:HG23	1.94	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.95	0.66
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.10	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.84	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.66
1:C:269:LYS:O	1:C:272:VAL:HG22	1.94	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.66
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.28	0.66
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.66
1:C:595:LEU:HD22	1:C:596:GLU:N	2.09	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:269:LYS:O	1:C:272:VAL:HG22	1.94	0.66
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.66
1:C:684:ALA:CA	1:C:687:VAL:HG22	2.24	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.58	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.66
1:C:269:LYS:O	1:C:272:VAL:HG22	1.94	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
1:C:493:PHE:O	1:C:710:ARG:NH2	2.28	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:796:LYS:HZ1	3:Z:128:LEU:HD22	1.58	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.66
1:C:269:LYS:O	1:C:272:VAL:HG22	1.94	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.66
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:146:THR:CG2	1:C:768:GLY:HA3	2.21	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:799:LYS:O	1:C:802:GLN:CA	2.44	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:269:LYS:O	1:C:272:VAL:HG22	1.94	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.66
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.66
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.66
3:Z:93:PHE:CE2	3:Z:101:ILE:HG13	2.29	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.66
1:C:269:LYS:O	1:C:272:VAL:HG22	1.94	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
1:C:834:LYS:CB	1:C:835:PRO:HD3	2.18	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.60	0.66
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.66
1:C:269:LYS:O	1:C:272:VAL:HG22	1.94	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.66
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:246:PHE:CD1	1:C:459:LEU:CG	2.68	0.66
1:C:269:LYS:O	1:C:272:VAL:HG22	1.94	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:505:ILE:HD13	1:C:761:PHE:CB	2.22	0.66
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.66
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:488:PHE:HE2	1:C:492:MET:SD	2.12	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.96	0.66
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.66
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:310:SER:HA	1:C:313:ASN:HD21	1.59	0.66
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.66
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.61	0.66
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.66
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
1:C:499:GLU:O	1:C:760:VAL:C	2.38	0.66
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.60	0.66
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.66
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.66
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.84	0.66
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.66
1:C:218:GLN:H	1:C:218:GLN:CD	2.02	0.66
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.96	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.66
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.66
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.06	0.66
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.66
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:503:GLU:HG3	1:C:761:PHE:CE1	2.27	0.66
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.66
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
1:C:500:TYR:O	1:C:761:PHE:HB2	1.94	0.66
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.66
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.66
1:C:48:ILE:O	1:C:48:ILE:HG12	1.94	0.66
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.10	0.66
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.66
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.61	0.66
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.28	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.66
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
1:C:503:GLU:N	1:C:711:LEU:N	2.36	0.66
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.77	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:144:ARG:NH2	1:C:719:ARG:CD	2.52	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.66
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.66
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
3:Z:63:LEU:CD2	3:Z:64:PRO:HD2	2.24	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.66
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.66
1:C:503:GLU:CB	1:C:755:LEU:CA	2.45	0.66
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.66
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.66
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.23	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.66
1:C:726:ASN:H	1:C:726:ASN:HD22	1.43	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.66
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.66
1:C:505:ILE:CG2	1:C:710:ARG:N	2.58	0.66
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.66
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.66
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.66
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.66
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
1:C:86:GLU:CD	1:C:150:PRO:CD	2.65	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.66
1:C:477:ILE:CG1	1:C:478:ASN:N	2.56	0.66
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.66
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.66
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.59	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.66
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.66
1:C:505:ILE:HD12	1:C:766:VAL:CG2	2.16	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.66
1:C:500:TYR:O	1:C:754:ARG:CD	2.36	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.66
1:C:500:TYR:O	1:C:754:ARG:N	2.24	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.66
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.66
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.58	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.10	0.66
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.66
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.66
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.96	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.66
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.66
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.66
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.66
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.66
1:C:501:LYS:HD2	1:C:753:TYR:HE1	1.57	0.66
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.66
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
1:C:675:GLU:OE1	1:C:676:LEU:N	2.27	0.66
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.66
1:C:824:TRP:CZ2	2:Y:79:LYS:HD3	2.27	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.96	0.66
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
1:C:712:ILE:HD11	1:C:715:GLU:HG2	1.68	0.66
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.66
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.66
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.66
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.84	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.66
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:504:GLY:O	1:C:755:LEU:HD23	1.92	0.66
1:C:801:LEU:HD22	3:Z:21:TRP:CZ3	2.30	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.66
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.66
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.66
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.66
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.66
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.66
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.66
1:C:164:VAL:H	1:C:774:ARG:CZ	1.99	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.66
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.66
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.23	0.66
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.66
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:265:TYR:HE1	1:C:652:SER:OG	1.76	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.66
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.77	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
1:C:801:LEU:CB	3:Z:17:LEU:HD11	2.25	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.66
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:505:ILE:HG13	1:C:754:ARG:HB2	0.73	0.66
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.66
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.66
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.66
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.66
1:C:772:GLU:O	1:C:776:GLU:N	2.25	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.66
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.66
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.66
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.08	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:498:GLU:OE2	1:C:755:LEU:CG	2.44	0.66
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.66
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.96	0.66
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.66
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CD1	2.29	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.66
1:C:595:LEU:CD1	1:C:596:GLU:HG2	2.25	0.66
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.66
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.66
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.66
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.66
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.66
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.66
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:694:ASN:H	1:C:694:ASN:HD22	1.43	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.66
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.66
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.66
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.66
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.66
1:C:218:GLN:H	1:C:218:GLN:CD	2.02	0.66
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.66
1:C:643:GLN:CD	1:C:643:GLN:C	2.62	0.66
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.66
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.66
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.66
1:C:805:ARG:HB2	3:Z:21:TRP:CZ3	2.30	0.66
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.61	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.66
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.66
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
1:C:115:TYR:HE1	1:C:150:PRO:CA	2.06	0.66
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.66
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:488:PHE:HE2	1:C:492:MET:SD	2.13	0.66
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.60	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.66
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.66
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.66
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.66
1:C:800:LYS:HD2	2:Y:95:MET:O	1.95	0.66
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.78	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.66
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.66
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:507:TRP:HE1	1:C:707:PHE:HE2	1.44	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.66
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.66
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:799:LYS:O	1:C:803:ASP:N	2.29	0.66
1:C:12:TYR:CE1	1:C:131:ILE:CG1	2.78	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.66
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.66
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.66
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.66
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.66
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.66
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.66
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.77	0.66
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.66
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.66
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.66
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.66
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.66
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.66
1:C:217:ASP:O	1:C:221:GLN:HG2	1.95	0.66
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:497:GLN:O	1:C:761:PHE:CD1	2.48	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.66
3:Z:24:ARG:O	3:Z:25:ASP:CG	2.38	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.66
1:C:798:TYR:CZ	1:C:802:GLN:HG3	2.31	0.66
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.66
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.95	0.66
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.66
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.66
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.66
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.66
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.66
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.84	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:365:GLN:CG	1:C:366:ARG:N	2.48	0.66
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.66
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:500:TYR:HA	1:C:761:PHE:CE2	2.30	0.66
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.66
1:C:800:LYS:C	1:C:804:GLN:H	2.03	0.66
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.66
1:C:504:GLY:C	1:C:760:VAL:HA	2.20	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
2:Y:138:LYS:CE	3:Z:122:VAL:HG13	2.24	0.66
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.66
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.66
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
1:C:144:ARG:CB	1:C:771:GLU:HA	2.17	0.66
1:C:147:GLU:HG2	1:C:770:LEU:C	2.19	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.59	0.66
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.66
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.66
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.77	0.66
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.66
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.66
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.66
2:Y:107:GLU:H	2:Y:107:GLU:CD	2.01	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.66
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.07	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
1:C:503:GLU:O	1:C:713:TYR:OH	2.13	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.66
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.66
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
1:C:523:ILE:HA	1:C:529:ILE:HG23	1.76	0.66
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.66
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.96	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CB	2.77	0.66
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.07	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:253:PRO:HB3	3:Z:86:TYR:O	1.95	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.96	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:510:ILE:H	1:C:751:ALA:C	2.04	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.96	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.66
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.66
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.66
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.07	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.66
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.96	0.66
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.07	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
1:C:507:TRP:N	1:C:754:ARG:NH1	2.28	0.66
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.66
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.96	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.66
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.66
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.66
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.66
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.66
3:Z:31:PHE:CE1	3:Z:56:HIS:O	2.48	0.66
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.07	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
1:C:801:LEU:HD22	3:Z:21:TRP:CZ3	2.30	0.66
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.96	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.66
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.07	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.07	0.66
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.66
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.66
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.96	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.66
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.66
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.66
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.66
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.66
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.66
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.66
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.66
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.66
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.66
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.66
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.66
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.66
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.66
1:C:773:MET:HA	1:C:776:GLU:HG2	1.78	0.66
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.66
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.66
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.66
1:C:788:HIS:HE1	3:Z:149:MET:HA	1.35	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.66
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.66
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.66
1:C:500:TYR:C	1:C:761:PHE:CD1	2.74	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.66
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.66
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.66
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.84	0.66
1:C:167:ARG:NH2	3:Z:95:ARG:HG3	2.08	0.66
1:C:173:LEU:CD2	1:C:459:LEU:CB	2.73	0.66
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.66
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.66
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.66
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.66
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.66
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.66
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.66
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.66
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:800:LYS:HA	1:C:804:GLN:HB2	1.75	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.66
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.66
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.66
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.66
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.66
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.66
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.66
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.66
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.66
1:C:272:VAL:HG23	1:C:273:THR:H	1.59	0.66
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.66
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.66
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.66
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.66
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.66
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:218:GLN:HG2	1:C:219:ILE:N	2.09	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:350:LYS:HE2	1:C:386:LEU:HA	1.68	0.66
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.66
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
2:Y:116:MET:HE3	3:Z:21:TRP:NE1	2.10	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.66
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.66
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.66
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.66
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:497:GLN:CD	1:C:762:PHE:HA	2.21	0.66
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.66
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.32	0.66
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.66
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.66
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.66
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.66
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.32	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.66
1:C:493:PHE:HE1	1:C:512:PHE:CE2	2.12	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.66
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.66
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.66
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:218:GLN:H	1:C:218:GLN:CD	2.02	0.66
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.66
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.66
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.66
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.66
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.66
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.66
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.66
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.66
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.66
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.66
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.66
1:C:505:ILE:CA	1:C:755:LEU:C	2.69	0.66
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.66
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.66
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.66
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.66
1:C:726:ASN:H	1:C:726:ASN:HD22	1.43	0.66
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.66
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.66
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.66
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.66
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.96	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.66
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.66
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.66
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.10	0.66
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.66
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.66
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.66
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.66
1:C:137:ILE:HG13	1:C:138:ALA:N	2.09	0.66
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.66
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.66
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.66
1:C:726:ASN:H	1:C:726:ASN:HD22	1.43	0.66
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.66
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.66
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.66
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.66
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.66
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.66
1:C:229:TYR:N	1:C:284:ILE:CD1	2.59	0.66
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.66
1:C:563:THR:HG1	1:C:579:GLU:CD	1.89	0.66
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.66
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.66
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.66
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.66
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.66
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.66
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.66
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.66
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.66
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.66
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.66
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.66
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.66
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.66
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.66
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.66

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.66
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.30	0.66
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.66
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.66
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.66
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.66
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.66
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.66
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.66
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.66
1:C:703:CYS:C	1:C:764:ALA:CB	2.68	0.66
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.66
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.66
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.66
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.66
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.66
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.66
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.66
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.66
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.66
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.66
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.66
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.66
3:Z:46:ASN:OD1	3:Z:115:GLU:CG	2.43	0.66
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.66
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.65
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.65
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.65
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.65
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.65
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.65
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.65
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.65
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.65
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.65
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.65
1:C:500:TYR:HB3	1:C:762:PHE:C	2.21	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.65
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.65
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.65
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.65
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.65
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.65
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.65
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.65
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.65
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
1:C:147:GLU:OE1	1:C:775:ASP:OD2	2.13	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.65
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.65
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.65
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.65
1:C:507:TRP:HB3	1:C:754:ARG:HG2	1.76	0.65
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:267:LEU:HD11	1:C:435:PHE:CE2	2.30	0.65
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.65
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.65
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
1:C:722:ILE:HB	1:C:777:ARG:CD	1.97	0.65
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:269:LYS:O	1:C:272:VAL:HG22	1.95	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.65
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.65
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.65
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.65
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.04	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.65
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.65
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.08	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.65
1:C:144:ARG:HE	1:C:147:GLU:HG2	1.56	0.65
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.65
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.65
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.30	0.65
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.65
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.65
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.65
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.65
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.65
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.65
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.65
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.65
1:C:800:LYS:O	1:C:802:GLN:C	2.21	0.65
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.65
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.65
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.65
1:C:5:PHE:CZ	1:C:780:LYS:C	2.73	0.65
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.65
1:C:175:THR:CG2	1:C:667:PHE:HE1	2.08	0.65
1:C:255:GLY:C	3:Z:95:ARG:NH1	2.36	0.65
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.62	0.65
1:C:798:TYR:O	1:C:802:GLN:HB2	1.96	0.65
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.65
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.65
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.65
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.65
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.65
2:Y:16:GLN:H	2:Y:16:GLN:CD	2.02	0.65
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.65
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.83	0.65
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.65
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.65
2:Y:116:MET:HA	3:Z:20:PHE:HZ	1.61	0.65
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.65
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.65
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.65
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.65
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.10	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.30	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.65
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.65
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.65
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.65
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.65
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.83	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.26	0.65
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.65
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.65
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.65
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.65
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.96	0.65
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.30	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.65
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.65
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:800:LYS:C	1:C:801:LEU:HA	2.21	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.65
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.30	0.65
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.65
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.30	0.65
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.65
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
3:Z:122:VAL:HG22	3:Z:123:ASP:N	2.09	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.65
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.65
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.65
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.30	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.77	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:504:GLY:C	1:C:760:VAL:HB	2.14	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.30	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
1:C:802:GLN:NE2	3:Z:17:LEU:HG	2.11	0.65
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.65
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.65
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.30	0.65
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.65
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.65
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.65
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.65
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.65
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.65
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.65
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.65
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.65
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.65
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.65
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.65
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.65
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.65
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.65
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.65
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.65
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.65
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.10	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.65
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.65
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.10	0.65
1:C:463:GLY:HA2	1:C:481:ASN:ND2	2.10	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.77	0.65
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.65
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.65
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.65
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.65
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.65
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.65
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.65
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.65
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.65
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.65
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.65
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.77	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.65
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.65
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.65
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.65
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.65
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.65
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.65
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.65
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.65
1:C:796:LYS:HZ3	2:Y:94:ALA:HB1	1.59	0.65
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.65
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.65
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.65
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.65
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.65
1:C:573:GLN:CD	1:C:573:GLN:C	2.62	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.65
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.27	0.65
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.65
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.65
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.65
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.65
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.65
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.65
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.65
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.65
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.25	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.65
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.65
1:C:449:LYS:HZ1	3:Z:140:LYS:NZ	1.95	0.65
1:C:573:GLN:CD	1:C:573:GLN:C	2.62	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.65
1:C:722:ILE:HG21	3:Z:92:THR:HG21	1.79	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.65
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.65
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.65
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.65
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.65
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.65
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.65
1:C:573:GLN:CD	1:C:573:GLN:C	2.62	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.65
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.65
1:C:772:GLU:CD	1:C:776:GLU:CG	2.69	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.61	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.65
1:C:573:GLN:CD	1:C:573:GLN:C	2.62	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.78	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.65
1:C:573:GLN:CD	1:C:573:GLN:C	2.62	0.65
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.08	0.65
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:503:GLU:CD	1:C:711:LEU:H	1.80	0.65
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.65
1:C:573:GLN:CD	1:C:573:GLN:C	2.62	0.65
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.65
1:C:500:TYR:CD1	1:C:707:PHE:CD2	2.83	0.65
1:C:503:GLU:OE2	1:C:711:LEU:HG	1.97	0.65
1:C:573:GLN:CD	1:C:573:GLN:C	2.62	0.65
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.65
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.65
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.60	0.65
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.84	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.65
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.62	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.67	0.65
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.65
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.65
1:C:726:ASN:H	1:C:726:ASN:HD22	1.43	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.65
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.65
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.65
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.65
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.65
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.30	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.65
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.65
2:Y:99:GLN:CB	3:Z:125:ILE:HD12	2.17	0.65
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.65
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
3:Z:132:GLN:CD	3:Z:132:GLN:C	2.61	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.65
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.65
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.65
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.65
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.65
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.65
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.65
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.65
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.65
1:C:507:TRP:O	1:C:750:PRO:O	2.15	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.77	0.65
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.65
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.65
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.65
3:Z:118:SER:O	3:Z:122:VAL:HG12	1.95	0.65
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.65
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.65
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.65
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.65
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.65
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.65
1:C:146:THR:OG1	1:C:768:GLY:O	2.10	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.59	0.65
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.10	0.65
1:C:503:GLU:CB	1:C:756:GLY:HA2	2.10	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
2:Y:113:LEU:O	2:Y:120:PHE:CD2	2.46	0.65
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.83	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.77	0.65
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.65
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:165:THR:CB	1:C:715:GLU:CA	2.70	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.65
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.65
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.65
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.65
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.65
1:C:499:GLU:C	1:C:761:PHE:CD2	2.70	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:788:HIS:CE1	3:Z:148:VAL:O	2.48	0.65
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:CB	2.24	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.65
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.65
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.65
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.65
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.65
1:C:510:ILE:CD1	1:C:763:LYS:HZ3	2.10	0.65
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.65
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.82	0.65
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.65
1:C:503:GLU:HB3	1:C:761:PHE:HE1	1.61	0.65
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.65
2:Y:71:MET:O	2:Y:75:ILE:HG23	1.95	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:454:TYR:HE1	3:Z:92:THR:CG2	1.95	0.65
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.65
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.65
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.65
1:C:508:GLU:N	1:C:763:LYS:HG2	2.09	0.65
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.65
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.65
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.65
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.65
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.65
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.65
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.65
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.65
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.65
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:218:GLN:H	1:C:218:GLN:CD	2.02	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.65
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.65
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:HD11	1:C:766:VAL:HG21	0.65	0.65
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.65
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.65
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.65
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.65
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.65
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.65
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.65
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.65
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.65
1:C:33:ASN:OD1	1:C:77:MET:SD	2.53	0.65
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.65
1:C:583:TYR:CG	1:C:584:ALA:N	2.63	0.65
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.65
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.65
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.65
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.65
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.65
1:C:120:CYS:HG	1:C:668:VAL:HG12	1.59	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.62	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.65
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.77	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.65
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.65
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.65
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.65
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.62	0.65
1:C:505:ILE:CG1	1:C:762:PHE:CA	2.75	0.65
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.65
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.62	0.65
1:C:807:GLY:O	1:C:810:VAL:HG22	1.95	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.65
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.62	0.65
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.65
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.65
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.65
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.65
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.65
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.65
1:C:144:ARG:HG2	1:C:774:ARG:CD	2.26	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.10	0.65
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.65
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.65
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.65
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.65
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.65
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.65
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.65
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.65
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.65
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.65
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.65
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.65
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.62	0.65
1:C:501:LYS:HA	1:C:754:ARG:C	1.54	0.65
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.65
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.78	0.65
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.65
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.65
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.65
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.65
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.65
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.65
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.60	0.65
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.65
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.65
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.65
1:C:335:PHE:CD1	1:C:340:PHE:CG	2.83	0.65
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.65
1:C:251:PHE:HD1	3:Z:95:ARG:HD3	1.55	0.65
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.65
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.65
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.65
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.65
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.65
2:Y:101:THR:HG21	3:Z:125:ILE:CD1	2.25	0.65
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.65
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.62	0.65
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.65
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.65
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.65
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.65
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.65
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.62	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.65
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.65
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.65
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.65
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.65
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.65
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.65
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.95	0.65
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.65
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.65
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.65
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.65
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.65
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.65
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.65
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.65
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:801:LEU:HD13	3:Z:17:LEU:HD21	1.77	0.65
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.65
1:C:567:LYS:CG	1:C:568:PRO:CD	2.59	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.65
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.65
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.65
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.65
1:C:165:THR:HG21	1:C:715:GLU:OE2	1.95	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.65
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.65
1:C:243:PHE:CE2	1:C:245:LYS:CD	2.79	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.65
2:Y:24:PHE:CG	2:Y:28:ASP:OD2	2.48	0.65
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.65
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.65
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.65
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.65
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.65
1:C:167:ARG:NH2	3:Z:92:THR:O	2.29	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.65
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.60	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
1:C:799:LYS:CE	2:Y:95:MET:CG	2.67	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.78	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.65
1:C:800:LYS:HG3	1:C:803:ASP:C	2.22	0.65
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.65
2:Y:98:GLU:O	3:Z:124:GLU:OE1	2.15	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.84	0.65
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.65
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.65
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.65
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.65
2:Y:103:LYS:C	3:Z:120:GLU:OE1	2.25	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.65
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.65
2:Y:137:GLY:HA3	3:Z:119:ASP:OD2	1.96	0.65
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.65
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.65
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.65
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.65
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.65
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.65
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CE1	3:Z:141:TYR:CD1	2.84	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.65
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.65
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.65
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:824:TRP:CD2	2:Y:79:LYS:HD3	2.28	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.65
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.65
3:Z:98:GLN:CD	3:Z:98:GLN:C	2.60	0.65
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.65
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.65
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.65
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.65
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.65
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.65
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.65
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.96	0.65
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.65
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.78	0.65
1:C:82:PHE:CB	1:C:91:MET:SD	2.84	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.65
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.65
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.65
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.65
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.65
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.65
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.65
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.65
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.65
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.65
1:C:82:PHE:CB	1:C:91:MET:SD	2.84	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:449:LYS:C	3:Z:100:PHE:CB	2.56	0.65
1:C:451:LYS:CB	3:Z:141:TYR:HB2	2.03	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.65
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.65
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.30	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65
1:C:82:PHE:CB	1:C:91:MET:SD	2.84	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.61	0.65
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.65
1:C:180:ALA:HB1	1:C:670:CYS:SG	2.34	0.65
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.30	0.65
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.65
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.65
1:C:267:LEU:CD1	1:C:435:PHE:CE2	2.79	0.65
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.65
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.65
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.65
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.65
1:C:82:PHE:CB	1:C:91:MET:SD	2.84	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:504:GLY:CA	1:C:743:LEU:HD12	2.26	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.65
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.65
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.65
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.65
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:82:PHE:CB	1:C:91:MET:SD	2.84	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.65
1:C:509:PHE:HB2	1:C:754:ARG:NH1	2.11	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
1:C:82:PHE:CB	1:C:91:MET:SD	2.84	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.65
1:C:82:PHE:CB	1:C:91:MET:SD	2.84	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.65
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.96	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.65
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.65
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.65
3:Z:42:ILE:CD1	3:Z:44:PRO:HG3	2.06	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:800:LYS:C	1:C:801:LEU:HD23	2.21	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.60	0.65
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.65
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.65
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.65
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.65
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.65
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.62	0.65
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.65
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:509:PHE:N	1:C:751:ALA:HB1	2.12	0.65
2:Y:99:GLN:CB	3:Z:125:ILE:HD13	2.15	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:503:GLU:O	1:C:760:VAL:CG1	2.45	0.65
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.62	0.65
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.65
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.65
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.65
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.65
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.65
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.65
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.65
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.65
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.65
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.65
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.65
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.96	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.36	0.65
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.65
1:C:499:GLU:HG3	1:C:710:ARG:NH1	2.12	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.65
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.77	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.65
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.87	0.65
3:Z:11:LEU:CD2	3:Z:40:LEU:HD12	2.25	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.65
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.65
1:C:796:LYS:NZ	2:Y:94:ALA:HB1	2.12	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.65
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:231:ASN:CB	1:C:283:HIS:NE2	2.59	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.62	0.65
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:218:GLN:H	1:C:218:GLN:CD	2.02	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
1:C:811:ILE:HD11	2:Y:113:LEU:CD2	2.25	0.65
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.77	0.65
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.26	0.65
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.65
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.65
1:C:509:PHE:C	1:C:763:LYS:HE2	2.21	0.65
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.65
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.65
1:C:452:ARG:NH2	3:Z:100:PHE:CZ	2.63	0.65
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.65
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.65
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.65
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.65
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.65
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.65
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
1:C:24:GLN:O	1:C:24:GLN:OE1	2.15	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
1:C:24:GLN:O	1:C:24:GLN:OE1	2.15	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.65
1:C:504:GLY:CA	1:C:756:GLY:H	2.10	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.65
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.65
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.65
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.65
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.65
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.65
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.65
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.65
1:C:773:MET:SD	1:C:776:GLU:OE2	2.55	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.65
1:C:505:ILE:CB	1:C:762:PHE:C	2.70	0.65
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.65
1:C:218:GLN:H	1:C:218:GLN:CD	2.03	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.65
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.65
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:499:GLU:OE2	1:C:759:LYS:HD3	1.94	0.65
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.65
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.65
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.65
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.59	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.61	0.65
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:350:LYS:HZ2	1:C:386:LEU:CG	2.01	0.65
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.78	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:504:GLY:C	1:C:756:GLY:H	2.05	0.65
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.65
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.65
1:C:803:ASP:O	2:Y:95:MET:SD	2.50	0.65
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.65
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.65
1:C:793:LEU:HG	2:Y:98:GLU:CG	2.25	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.26	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.65
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.65
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.65
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.62	0.65
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.65
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.65
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.65
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.62	0.65
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.65
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.65
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.65
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.65
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.65
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.65
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.30	0.65
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.65
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.28	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.65
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
1:C:703:CYS:CB	1:C:764:ALA:CB	2.75	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.65
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.65
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.65
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.65
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.65
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.65
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.65
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.65
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.65
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.65
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.65
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.65
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.65
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.65
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.65
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.25	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:497:GLN:H	1:C:710:ARG:NH2	1.93	0.65
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.65
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.65
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.65
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.65
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.65
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.65
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.65
1:C:275:GLN:CG	1:C:314:GLN:HE21	2.08	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.58	0.65
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.65
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.65
1:C:799:LYS:O	1:C:803:ASP:CA	2.44	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.77	0.65
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
1:C:505:ILE:HG23	1:C:753:TYR:CA	2.22	0.65
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.65
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.65
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.65
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.65
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:726:ASN:H	1:C:726:ASN:HD22	1.43	0.65
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.65
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.65
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.65
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.65
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.65
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.65
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.65
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.65
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.65
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.65
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.65
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.65
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.65
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.65
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.65
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.65
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
2:Y:98:GLU:O	3:Z:124:GLU:CD	2.39	0.65
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.07	0.65
1:C:800:LYS:HA	1:C:804:GLN:N	2.12	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.65
1:C:195:LYS:HZ1	3:Z:108:HIS:HB2	1.60	0.65
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.65
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.65
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.65
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.65
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.65
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.65
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.77	0.65
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.65
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.65
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.65
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.65
1:C:265:TYR:CD2	1:C:266:LEU:HB2	2.30	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.65
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.65
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
1:C:39:GLU:CD	1:C:39:GLU:H	2.02	0.65
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.65
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.65
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.65
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.65
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
1:C:165:THR:HG22	1:C:718:GLN:CD	2.22	0.65
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.65
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.65
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.65
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.65
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.65
1:C:508:GLU:HG2	1:C:751:ALA:N	2.12	0.65
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.65
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.65
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.65
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.65
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.65
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.65
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.65
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.65
1:C:543:ASP:OD1	1:C:544:ASP:N	2.30	0.65
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.65
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.24	0.65
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.65
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.65
1:C:800:LYS:HG3	1:C:803:ASP:OD2	1.97	0.65
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.65
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.65
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.65
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.65
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.65
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.65
1:C:505:ILE:N	1:C:767:LEU:HD11	1.95	0.65
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.24	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.65
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.24	0.65
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.65
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.65
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.65
1:C:726:ASN:H	1:C:726:ASN:HD22	1.43	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.65
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.65
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.65
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.65
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.65
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.65
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.65
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.65
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.65
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.65
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.65
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.65
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.65
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.65
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.24	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.65
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.65
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.65
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.65
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.65
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.24	0.65
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.26	0.65
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.65
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.65
1:C:503:GLU:HG3	1:C:754:ARG:O	1.93	0.65
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.65
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.65
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.95	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.65
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.65
1:C:497:GLN:CD	1:C:754:ARG:HB3	2.22	0.65
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.65
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.65
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.65
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.24	0.65
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.65
1:C:800:LYS:O	1:C:801:LEU:HA	1.96	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.65
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.65
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.65
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.65
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.65
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.65
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:498:GLU:C	1:C:756:GLY:N	2.54	0.65
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.04	0.65
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.65
2:Y:93:PHE:CE1	2:Y:104:LEU:CD1	2.74	0.65
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.65
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.65
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.65
1:C:137:ILE:HG12	1:C:195:LYS:CE	2.13	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.65
1:C:39:GLU:H	1:C:39:GLU:CD	2.02	0.65
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.65
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.65
1:C:802:GLN:NE2	3:Z:17:LEU:HB2	2.10	0.65
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.65
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.65
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.65
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
2:Y:58:ALA:O	2:Y:62:GLU:HG2	1.96	0.65
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.65
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.65
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.65
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.28	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.77	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.65
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.65
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.77	0.65
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.65
1:C:500:TYR:HE1	1:C:707:PHE:HB2	1.61	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.65
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.65
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.58	0.65
1:C:801:LEU:HD13	3:Z:21:TRP:CE3	2.31	0.65
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.65
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.65
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.65
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.57	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:503:GLU:HB2	1:C:761:PHE:HE1	1.38	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:148:ILE:CG2	1:C:775:ASP:HB2	2.26	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:563:THR:HG1	1:C:579:GLU:CD	1.89	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.65
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.65
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.65
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.65
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.65
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.61	0.65
1:C:563:THR:HG1	1:C:579:GLU:CD	1.91	0.65
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.65
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.65
1:C:99:VAL:HG23	1:C:691:LEU:HD13	1.76	0.65
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.65
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.65
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.65
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.65
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.65
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.65
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.65
1:C:350:LYS:CE	1:C:386:LEU:CG	2.73	0.65
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.65
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.65
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.65
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.65
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.65
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.65
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.65
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.65
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.65
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.65
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.65
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.65
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.65
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.65
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.61	0.65
1:C:563:THR:HG1	1:C:579:GLU:CD	1.91	0.65
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.65
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.65
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.65
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.65
2:Y:117:GLY:H	3:Z:20:PHE:C	2.03	0.65
2:Y:117:GLY:H	3:Z:24:ARG:N	1.92	0.65
1:C:510:ILE:CG2	1:C:763:LYS:CD	2.75	0.65
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.65
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.65
1:C:505:ILE:CA	1:C:710:ARG:C	2.58	0.65
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.65
2:Y:107:GLU:HG2	3:Z:120:GLU:OE2	1.93	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.65
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.65
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.65
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.65
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.65
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.65
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.61	0.65
1:C:563:THR:HG1	1:C:579:GLU:CD	1.91	0.65
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.65
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.65
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.65
1:C:126:TYR:CD2	1:C:126:TYR:O	2.50	0.65
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.65
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.65
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.65
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.65
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.61	0.65
1:C:563:THR:HG1	1:C:579:GLU:CD	1.91	0.65
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.65
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.65
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.65
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.65
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.65
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.65
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.65
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.65
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.61	0.65
1:C:563:THR:HG1	1:C:579:GLU:CD	1.91	0.65
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.65
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.65
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.65
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.65
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.65
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.65
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.61	0.65
1:C:563:THR:HG1	1:C:579:GLU:CD	1.91	0.65
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.65
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.65
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.65
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.61	0.65
1:C:563:THR:HG1	1:C:579:GLU:CD	1.91	0.65
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.65
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.65
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.65
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.65
1:C:802:GLN:HG2	3:Z:17:LEU:HD12	1.79	0.65
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.79	0.65
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.65
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.65
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.65
1:C:43:PHE:CE1	1:C:688:LEU:HD11	2.30	0.65
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.65
1:C:168:GLU:HG3	1:C:664:HIS:ND1	2.11	0.65
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.65
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.65
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.65
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.65
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.65
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.65
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.65
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.60	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.65
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.65
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.65
1:C:229:TYR:N	1:C:284:ILE:CD1	2.58	0.65
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.65
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.65
2:Y:102:LYS:CA	3:Z:127:LYS:CD	2.75	0.65
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.65
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.65
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.65
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.65
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.65
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.65
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.65
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.65
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.26	0.65
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.65
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.65
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.65
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.65
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.65
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.65
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.65
1:C:781:ILE:HD11	1:C:782:ILE:HD13	1.77	0.65
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.65
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.65
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.65
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.65
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.65
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.65
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.65
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.65
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.65
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.65
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.65

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.65
1:C:356:LEU:CD1	1:C:356:LEU:H	2.08	0.65
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.65
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.65
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.65
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.65
1:C:503:GLU:HA	1:C:757:THR:H	1.61	0.65
1:C:771:GLU:OE1	1:C:775:ASP:CG	2.39	0.65
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.65
1:C:335:PHE:HB3	1:C:345:LYS:CE	2.25	0.65
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.65
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.65
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.65
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.65
1:C:370:GLU:OE1	1:C:370:GLU:O	2.14	0.65
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.65
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.65
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.65
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.65
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.65
1:C:507:TRP:HE3	1:C:763:LYS:HA	1.61	0.65
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.65
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.65
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.64
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.64
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.64
1:C:47:GLU:OE2	1:C:59:LYS:CB	2.36	0.64
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.64
1:C:543:ASP:OD1	1:C:544:ASP:N	2.30	0.64
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.64
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.64
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.64
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.64
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.64
1:C:499:GLU:HG3	1:C:710:ARG:HH12	1.62	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.64
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.64
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.64
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.05	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.64
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.64
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.95	0.64
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.64
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.64
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.64
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.64
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.64
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.64
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.64
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.64
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.64
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.64
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.64
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.64
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.64
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.64
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.95	0.64
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.64
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.64
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.64
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.95	0.64
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.64
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.64
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.64
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.64
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.64
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.64
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.64
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.64
1:C:801:LEU:CD2	3:Z:21:TRP:CZ3	2.80	0.64
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.64
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.64
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.64
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.95	0.64
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.64
1:C:126:TYR:CD2	1:C:126:TYR:O	2.49	0.64
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:573:GLN:CD	1:C:573:GLN:C	2.62	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.64
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.64
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.64
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.64
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.95	0.64
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.64
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:753:TYR:O	1:C:754:ARG:HD2	1.93	0.64
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.05	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.64
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
1:C:402:LYS:HG2	1:C:402:LYS:O	1.94	0.64
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.64
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.95	0.64
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.64
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.64
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.64
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.64
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.95	0.64
1:C:81:LYS:HZ1	1:C:772:GLU:CA	2.09	0.64
1:C:144:ARG:HH12	1:C:715:GLU:HG3	1.61	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.64
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.64
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.10	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.64
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.64
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.62	0.64
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.64
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.64
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.64
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.64
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.64
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.64
1:C:499:GLU:HG3	1:C:710:ARG:NH1	1.93	0.64
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.61	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.78	0.64
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.64
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.64
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.64
1:C:800:LYS:C	1:C:803:ASP:OD1	2.41	0.64
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.64
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.77	0.64
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.78	0.64
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.64
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.27	0.64
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.64
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.64
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.64
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.64
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.62	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.64
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.64
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.62	0.64
1:C:726:ASN:HD22	1:C:726:ASN:N	1.96	0.64
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.64
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.12	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.64
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.64
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.64
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.64
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.64
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.64
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.64
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.64
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.64
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.64
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.64
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.64
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.64
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.64
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:261:ASP:OD2	1:C:443:ASN:ND2	2.29	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:792:TYR:CE2	2:Y:100:GLU:N	2.36	0.64
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.64
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.64
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.64
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.64
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.64
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.64
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.56	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.64
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.64
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.64
1:C:129:LEU:H	1:C:129:LEU:HD12	1.60	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.64
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:505:ILE:HB	1:C:761:PHE:CG	2.32	0.64
1:C:505:ILE:CD1	1:C:761:PHE:CG	2.62	0.64
1:C:510:ILE:HG22	1:C:763:LYS:CE	2.26	0.64
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.60	0.64
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.64
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.64
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.64
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.64
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.64
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.64
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:353:ALA:O	1:C:357:HIS:CD2	2.49	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.64
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.64
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.64
1:C:437:TRP:HD1	1:C:441:ARG:HH21	1.40	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.64
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.64
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.64
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.64
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.64
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:796:LYS:HE2	3:Z:128:LEU:CD1	2.26	0.64
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.87	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.64
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:800:LYS:C	1:C:803:ASP:OD1	2.40	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.64
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.64
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.64
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.64
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.64
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.14	0.64
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.64
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.64
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.62	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.64
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.95	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:726:ASN:HD22	1:C:726:ASN:N	1.96	0.64
1:C:772:GLU:CD	1:C:776:GLU:CD	2.63	0.64
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:35:TRP:HE1	1:C:77:MET:HA	1.59	0.64
1:C:39:GLU:H	1:C:39:GLU:CD	2.02	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.64
2:Y:99:GLN:HB3	3:Z:127:LYS:HG2	1.68	0.64
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.64
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.14	0.64
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.64
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.09	0.64
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.64
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.64
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.64
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.64
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.64
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.64
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.64
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.64
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.64
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.78	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.64
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.64
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.64
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.64
1:C:505:ILE:CB	1:C:761:PHE:C	2.24	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.64
1:C:502:LYS:HE2	1:C:757:THR:CG2	2.27	0.64
1:C:503:GLU:HB2	1:C:761:PHE:CD1	2.33	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.64
1:C:34:CYS:SG	1:C:74:ILE:HD13	2.35	0.64
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.64
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.64
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.64
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.64
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.64
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.64
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.12	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.14	0.64
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.64
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.64
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.64
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.62	0.64
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:OH	1:C:131:ILE:CG2	2.30	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.64
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.64
1:C:234:THR:HG22	1:C:271:ARG:NH1	2.10	0.64
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:507:TRP:HZ3	1:C:707:PHE:CD1	2.16	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.64
3:Z:96:GLU:HG3	3:Z:98:GLN:OE1	1.96	0.64
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.64
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.64
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.64
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.64
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.64
2:Y:85:SER:OG	2:Y:88:THR:CB	2.42	0.64
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.64
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.64
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.64
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.60	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.64
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.64
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.64
1:C:671:ILE:O	1:C:671:ILE:CG1	2.44	0.64
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:800:LYS:HE3	1:C:804:GLN:HG3	1.78	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.64
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.64
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.64
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.97	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.64
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.64
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.64
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.64
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.64
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.64
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.64
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.64
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.64
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.64
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.64
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.26	0.64
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.64
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.64
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.64
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.64
1:C:800:LYS:O	1:C:801:LEU:HA	1.96	0.64
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.64
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.64
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.64
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.64
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.64
1:C:664:HIS:CE1	1:C:712:ILE:CD1	2.79	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.64
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.64
1:C:500:TYR:CD2	1:C:761:PHE:CD2	2.85	0.64
3:Z:18:PHE:CZ	3:Z:32:LYS:HG2	2.21	0.64
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.12	0.64
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.64
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.77	0.64
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.14	0.64
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:340:PHE:HE1	1:C:441:ARG:HD2	1.61	0.64
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:800:LYS:CA	1:C:804:GLN:H	2.10	0.64
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.64
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.64
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.64
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.64
1:C:499:GLU:HG3	1:C:710:ARG:HD2	1.78	0.64
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.64
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.95	0.64
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.64
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.64
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.64
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.64
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.95	0.64
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.64
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.62	0.64
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.64
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.26	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.64
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.64
1:C:350:LYS:HZ2	1:C:386:LEU:CG	2.01	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.64
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.64
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.64
1:C:503:GLU:CG	1:C:761:PHE:CE1	2.80	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.95	0.64
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.64
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.64
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.64
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.64
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.64
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.64
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
1:C:233:LYS:HD2	1:C:238:ASN:OD1	1.95	0.64
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
1:C:120:CYS:HG	1:C:668:VAL:HG12	1.60	0.64
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.64
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.64
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.64
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.05	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.64
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.30	0.64
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.64
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.14	0.64
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.95	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
1:C:168:GLU:HG2	1:C:169:ASN:N	2.11	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.62	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.64
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.64
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.95	0.64
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.64
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.64
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.64
1:C:525:LYS:HG3	1:C:526:PRO:CG	2.07	0.64
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.64
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.64
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.64
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:798:TYR:OH	1:C:802:GLN:NE2	2.30	0.64
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
3:Z:141:TYR:CZ	3:Z:145:VAL:HG12	2.31	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.64
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.64
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.64
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.64
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.64
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.64
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.64
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.64
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.64
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.64
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:503:GLU:HG2	1:C:759:LYS:C	2.02	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:499:GLU:HG3	1:C:710:ARG:NH1	2.12	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:506:ALA:CA	1:C:753:TYR:CB	2.75	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:173:LEU:HD21	1:C:459:LEU:CD1	2.24	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.64
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.61	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.64
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.64
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.57	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:801:LEU:CB	3:Z:17:LEU:HD11	2.27	0.64
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.64
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.64
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.61	0.64
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.64
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.64
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.64
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.64
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.64
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.64
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.64
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.64
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.64
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.64
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.64
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.64
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.78	0.64
1:C:82:PHE:CB	1:C:91:MET:SD	2.84	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.14	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.64
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.64
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.64
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.64
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.64
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.64
1:C:500:TYR:C	1:C:754:ARG:C	2.65	0.64
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.64
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.25	0.64
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.64
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.64
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.62	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.64
1:C:24:GLN:O	1:C:24:GLN:OE1	2.15	0.64
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.59	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.64
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.64
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.64
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.64
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.64
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.26	0.64
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.64
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.64
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.64
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.97	0.64
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.64
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.64
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.64
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.64
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.64
1:C:48:ILE:O	1:C:48:ILE:HG12	1.94	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:800:LYS:C	1:C:803:ASP:OD1	2.41	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:510:ILE:HD12	1:C:763:LYS:NZ	2.12	0.64
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.08	0.64
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.64
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.64
1:C:449:LYS:CD	3:Z:138:ASN:OD1	2.34	0.64
1:C:453:ASN:ND2	3:Z:88:GLU:O	2.31	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:807:GLY:O	1:C:810:VAL:HG22	1.96	0.64
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:508:GLU:CB	1:C:752:GLU:OE1	2.45	0.64
1:C:798:TYR:O	1:C:801:LEU:N	2.31	0.64
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.64
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
2:Y:104:LEU:HB3	2:Y:109:ILE:CG2	2.26	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.64
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.64
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.64
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.64
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.64
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.64
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.64
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:497:GLN:NE2	1:C:754:ARG:HB3	2.13	0.64
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.64
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.64
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.64
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.64
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.64
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:773:MET:CA	1:C:776:GLU:HB2	2.27	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.64
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.64
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.64
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.64
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.64
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.64
2:Y:116:MET:HE1	3:Z:21:TRP:NE1	2.13	0.64
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.64
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.64
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.78	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
1:C:135:SER:HB3	3:Z:111:THR:O	1.89	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.95	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.64
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.64
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.64
1:C:505:ILE:O	1:C:754:ARG:N	2.31	0.64
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.64
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.62	0.64
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.62	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.61	0.64
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.64
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.64
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.64
1:C:503:GLU:HB3	1:C:756:GLY:HA2	1.79	0.64
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.64
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.64
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.98	0.64
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.64
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.64
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.64
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:703:CYS:CB	1:C:764:ALA:HB2	2.27	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.64
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.64
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:168:GLU:HG2	1:C:169:ASN:N	2.10	0.64
1:C:497:GLN:O	1:C:761:PHE:CD1	2.48	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.64
2:Y:37:LYS:HG3	2:Y:56:LEU:CD1	2.26	0.64
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.64
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.64
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.64
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.64
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.64
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.64
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.95	0.64
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.64
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.64
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.64
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.64
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:505:ILE:CB	1:C:761:PHE:CG	2.71	0.64
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
3:Z:111:THR:HA	3:Z:117:LEU:HD13	1.67	0.64
1:C:48:ILE:O	1:C:48:ILE:HG12	1.95	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.64
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.75	0.64
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.64
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:505:ILE:H	1:C:710:ARG:HA	1.63	0.64
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.64
1:C:800:LYS:C	1:C:803:ASP:OD1	2.40	0.64
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.63	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.64
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.64
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.64
1:C:799:LYS:O	1:C:802:GLN:N	2.30	0.64
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.46	0.64
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.64
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.64
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.64
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:543:ASP:OD1	1:C:544:ASP:N	2.29	0.64
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.64
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.64
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.64
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.64
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.64
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.64
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.78	0.64
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.64
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.64
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.64
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.64
1:C:800:LYS:C	1:C:803:ASP:OD1	2.41	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.09	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.64
1:C:437:TRP:HA	1:C:440:ARG:NH2	2.11	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:774:ARG:HG2	1:C:778:LEU:CD1	2.28	0.64
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.64
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.64
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.64
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.60	0.64
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.14	0.64
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.12	0.64
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.14	0.64
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.64
1:C:504:GLY:HA3	1:C:760:VAL:HG12	1.79	0.64
2:Y:100:GLU:N	3:Z:128:LEU:CG	2.61	0.64
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.64
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.64
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:5:PHE:HE1	1:C:780:LYS:HB2	1.41	0.64
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.64
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.64
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.64
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.64
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.64
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.64
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.64
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.64
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.64
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.14	0.64
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.64
1:C:505:ILE:O	1:C:753:TYR:HD1	1.80	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.64
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.64
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.64
1:C:800:LYS:C	1:C:803:ASP:OD1	2.41	0.64
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.64
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.64
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.12	0.64
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.64
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.64
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.64
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.64
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.12	0.64
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.64
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.64
2:Y:103:LYS:HB2	3:Z:123:ASP:O	1.98	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.14	0.64
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.64
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
1:C:799:LYS:O	1:C:802:GLN:N	2.25	0.64
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.64
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.64
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.64
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.64
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.64
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.64
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.64
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.64
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.64
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.64
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.64
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.64
1:C:687:VAL:CG2	1:C:688:LEU:N	2.58	0.64
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.64
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.64
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.64
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.64
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.64
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.64
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.64
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.64
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.64
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.64
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.64
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.64
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.64
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.64
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.64
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.64
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.64
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.64
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.64
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.64
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.79	0.64
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.64
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.64
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:726:ASN:H	1:C:726:ASN:HD22	1.42	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.79	0.64
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.78	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:801:LEU:CG	3:Z:17:LEU:HD11	2.12	0.64
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.64
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.64
1:C:498:GLU:CD	1:C:755:LEU:CB	2.70	0.64
1:C:798:TYR:O	1:C:801:LEU:N	2.31	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.79	0.64
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.64
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.64
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.64
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.64
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.10	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.60	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.64
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.64
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.64
1:C:800:LYS:C	1:C:803:ASP:OD1	2.41	0.64
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.64
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.64
1:C:500:TYR:C	1:C:761:PHE:HB2	2.23	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.64
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.64
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.64
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.64
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.64
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.64
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.64
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.64
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.64
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.64
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.64
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.85	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.64
1:C:502:LYS:HZ3	1:C:756:GLY:HA3	1.63	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.64
3:Z:90:PHE:CD1	3:Z:141:TYR:CD1	2.85	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.64
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.64
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.61	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.64
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.64
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.64
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.64
1:C:801:LEU:CD1	3:Z:21:TRP:HE3	2.06	0.64
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.64
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.64
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.64
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.64
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.64
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.64
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.64
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.64
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.64
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.64
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.64
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.64
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.64
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.64
2:Y:28:ASP:OD1	2:Y:35:VAL:CG1	2.44	0.64
1:C:148:ILE:HB	1:C:149:PRO:HD2	1.77	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.64
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.64
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.64
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.64
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.64
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.64
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.64
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.64
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.64
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.64
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.64
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.64
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.64
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:168:GLU:OE1	1:C:169:ASN:C	2.40	0.64
1:C:370:GLU:OE2	1:C:415:ASN:HB2	1.96	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.64
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.64
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
3:Z:131:LEU:HD11	3:Z:144:PHE:HB2	1.78	0.64
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.64
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.64
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.64
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.64
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
2:Y:101:THR:HG22	3:Z:126:ILE:C	2.22	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.64
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.64
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.79	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.64
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.64
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.64
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.64
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.26	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.64
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.64
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.85	0.64
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.64
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.64
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.64
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.64
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.79	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.64
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.64
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.64
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.64
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.64
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.08	0.64
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.64
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.28	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.64
1:C:491:HIS:O	1:C:491:HIS:CD2	2.50	0.64
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.64
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.64
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.64
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.64
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.63	0.64
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.64
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.64
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.64
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.64
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.64
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.64
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.64
2:Y:100:GLU:H	3:Z:128:LEU:HD12	1.62	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.64
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:509:PHE:CA	1:C:754:ARG:HD3	2.28	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.79	0.64
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.64
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.64
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.64
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.64
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:501:LYS:HG3	1:C:753:TYR:CE1	2.33	0.64
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
1:C:664:HIS:NE2	1:C:711:LEU:HD13	0.98	0.64
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:503:GLU:CB	1:C:710:ARG:HB2	2.25	0.64
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.64
1:C:94:LEU:CD1	1:C:700:ILE:CB	2.73	0.64
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.64
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.64
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.64
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.64
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.64
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.64
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.64
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.64
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
1:C:503:GLU:HB3	1:C:761:PHE:HE1	1.62	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.64
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.64
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.64
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:502:LYS:NZ	1:C:755:LEU:HB3	2.13	0.64
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.64
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.64
1:C:800:LYS:O	1:C:803:ASP:CG	2.40	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.64
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.64
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.64
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.64
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.64
1:C:800:LYS:C	1:C:803:ASP:OD1	2.41	0.64
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.79	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.64
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.64
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.64
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.64
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.64
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.64
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.64
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.64
1:C:503:GLU:HG2	1:C:756:GLY:HA2	1.80	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.64
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.64
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.64
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.64
1:C:800:LYS:C	1:C:803:ASP:OD1	2.41	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.64
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.64
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.64
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.64
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.64
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.64
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.64
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.64
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.64
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.64
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
2:Y:101:THR:CA	3:Z:127:LYS:NZ	2.56	0.64
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.64
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.64
1:C:370:GLU:OE1	1:C:370:GLU:O	2.14	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
2:Y:85:SER:HG	2:Y:88:THR:H	1.46	0.64
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.64
1:C:280:ARG:HG2	1:C:281:ASN:H	1.60	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.64
1:C:88:MET:HE1	1:C:102:ASN:HB2	1.78	0.64
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.64
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.64
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.64
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.64
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.64
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.81	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.64
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.64
1:C:563:THR:HG1	1:C:579:GLU:CD	1.88	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.64
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.64
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.64
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.64
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.64
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.64
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.64
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.64
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.64
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.64
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.64
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.64
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:800:LYS:O	1:C:801:LEU:HA	1.97	0.64
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.64
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.64
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.64
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.64
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.64
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:798:TYR:CE2	1:C:802:GLN:HG3	2.33	0.64
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.64
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.64
1:C:603:ASN:HD22	1:C:603:ASN:N	1.95	0.64
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.64
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:507:TRP:HE3	1:C:707:PHE:CE1	2.09	0.64
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.64
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.64
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.64
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:503:GLU:CB	1:C:761:PHE:HE1	2.09	0.64
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.64
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.64
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.64
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.64
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.64
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.64
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.64
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.64
1:C:500:TYR:HB3	1:C:762:PHE:N	2.03	0.64
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.64
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.64
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.64
1:C:801:LEU:CD1	3:Z:17:LEU:CD1	2.76	0.64
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.64
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.64
3:Z:69:LEU:CB	3:Z:70:PRO:HD3	2.26	0.64
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.64
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.64
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.64
2:Y:20:MET:HE1	2:Y:76:PHE:CD2	2.31	0.64
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.64
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.64
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.64
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.58	0.64
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.64
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.64
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.64
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.64
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.61	0.64
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.64
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.64
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.64
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.64
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.64
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.64
1:C:505:ILE:HG12	1:C:763:LYS:CB	2.27	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.64
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.64
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.64
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.64
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.64
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:5:PHE:CD1	3:Z:93:PHE:CZ	2.86	0.64
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.64
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.64
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.64
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.64
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.64
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.64
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.64
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.80	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.64
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.64
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.78	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.64
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.64
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.64
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.64
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.64	0.64
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.64
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.64
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.64
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.64
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.64
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.64
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.64
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.81	0.64
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.64
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.64
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.63	0.64
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.64
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.64
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.64
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.64
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.64
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.64
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.64
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.64
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.64
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.64
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.64
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.64
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.64
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.64
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.64
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.64
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.64
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.64
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.64
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.64

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.64
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.64
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.64
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.64
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.64
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.64
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.62	0.64
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.64
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.78	0.64
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.64
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.64
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.81	0.64
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.64
1:C:145:LYS:CG	1:C:158:ASN:ND2	2.60	0.64
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.64
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.64
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.64
2:Y:108:TYR:CE1	3:Z:120:GLU:HB3	2.33	0.64
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.64
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.64
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.64
1:C:726:ASN:HD22	1:C:726:ASN:N	1.96	0.64
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.64
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.64
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.64
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.63
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.63
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.63
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.63
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.63
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.63
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.63
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.63
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.63
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.63
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.63
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.63
3:Z:133:GLU:H	3:Z:133:GLU:CD	2.03	0.63
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.63
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.63
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.63
1:C:694:ASN:H	1:C:694:ASN:HD22	1.44	0.63
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.63
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.63
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
1:C:506:ALA:O	1:C:761:PHE:C	2.34	0.63
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.63
2:Y:100:GLU:CB	3:Z:127:LYS:CE	2.74	0.63
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.63
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.63
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.90	0.63
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.63
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.63
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.63
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.63
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.63
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.79	0.63
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
1:C:501:LYS:CG	1:C:760:VAL:HA	2.19	0.63
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.63
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.63
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.63
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.63
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.63
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.63
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.63
1:C:505:ILE:CD1	1:C:754:ARG:HE	2.11	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.63
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.63
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.63
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.63
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.63
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.63
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.63
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.63
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.63
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.63
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.63
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.63
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.63
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.63
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.63
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.63
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.63
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.63
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.63
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.63
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.81	0.63
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.63
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.63
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.63
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.63
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.63
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.63
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.63
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.63
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.63
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.63
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.63
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.63
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.63
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.63
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.63
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.63
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.63
1:C:507:TRP:CZ3	1:C:707:PHE:CE1	2.87	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.63
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.63
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.34	0.63
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.63
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.63
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.63
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.63
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.63
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.63
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.63
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.63
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.63
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.63
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.63
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.63
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.63
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.63
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.63
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.63
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.13	0.63
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.63
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
2:Y:103:LYS:CA	3:Z:120:GLU:OE1	2.46	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:504:GLY:CA	1:C:754:ARG:O	2.45	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.63
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.63
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.63
1:C:138:ALA:HB3	3:Z:113:LEU:CB	2.27	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.63
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.63
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.63
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.63
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.63
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.63
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.63
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.63
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.63
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.63
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.63
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.63
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.63
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.63
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.63
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.63
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.63
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.63	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.63
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.60	0.63
1:C:503:GLU:CG	1:C:761:PHE:CE1	2.78	0.63
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.63
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.63
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.27	0.63
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.63
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.63
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.63
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.62	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
1:C:811:ILE:HG13	1:C:812:GLN:H	1.64	0.63
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.63
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.63
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.63
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.63
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.63
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.63
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:500:TYR:CE1	1:C:709:SER:N	2.65	0.63
1:C:505:ILE:N	1:C:767:LEU:HG	2.13	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.85	0.63
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.63
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.63
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.63
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.63
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.63
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.63
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.63
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.63
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.63
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.62	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.63
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:494:ILE:C	1:C:710:ARG:NH1	2.35	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.63
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.63
1:C:499:GLU:HG3	1:C:710:ARG:NH1	2.12	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.63
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.63
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.63
1:C:499:GLU:HG3	1:C:710:ARG:NH1	2.12	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.63
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.63
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.63
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.63
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.63
1:C:743:LEU:CD2	1:C:748:MET:HE2	2.27	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.63
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.63
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.63
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.63
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.63
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.63
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:505:ILE:CD1	1:C:754:ARG:CB	2.73	0.63
1:C:772:GLU:OE1	1:C:776:GLU:CD	2.42	0.63
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.61	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.34	0.63
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.63
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:165:THR:CA	1:C:774:ARG:HH12	2.06	0.63
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.63
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.63
1:C:725:PRO:CB	3:Z:85:ASP:CG	2.70	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.63
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.63
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
1:C:113:TYR:CD2	1:C:150:PRO:HB3	2.31	0.63
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.63
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.63
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.63
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.63
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.63
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.27	0.63
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.63
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.63
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.63
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.63
2:Y:99:GLN:N	3:Z:124:GLU:HB2	2.13	0.63
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.63
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.63
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.63
2:Y:101:THR:HA	3:Z:127:LYS:N	2.09	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.34	0.63
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.63
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.63
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.63
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.34	0.63
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.63
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.63
1:C:799:LYS:HE3	2:Y:95:MET:SD	2.38	0.63
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.79	0.63
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.63
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.63
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.63
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.34	0.63
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.63
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.63
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:505:ILE:HG21	1:C:761:PHE:HB2	0.64	0.63
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.63
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.63
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.63
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.63
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.63
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.63
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.63
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.63
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:771:GLU:OE1	1:C:775:ASP:OD1	2.16	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.63
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.63
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.63
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.63
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.63
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.79	0.63
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.63
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.63
1:C:655:LYS:O	1:C:659:ASN:ND2	2.30	0.63
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.63
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.63
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.63
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.63
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.63
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.63
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.63
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.34	0.63
1:C:126:TYR:HB3	1:C:679:PRO:HA	1.79	0.63
1:C:140:TYR:CE2	1:C:157:ASP:HB2	2.32	0.63
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:189:VAL:O	1:C:192:TYR:CD1	2.50	0.63
1:C:497:GLN:HA	1:C:500:TYR:HD2	1.62	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.63
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.63
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.63
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.63
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.12	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.63
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.63
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.14	0.63
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.63
1:C:82:PHE:CB	1:C:91:MET:SD	2.84	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.63
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.63
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.63
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.63
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.63
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.62	0.63
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.63
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.63
3:Z:42:ILE:HD12	3:Z:42:ILE:C	2.22	0.63
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:451:LYS:N	3:Z:101:ILE:HG22	2.11	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:500:TYR:CZ	1:C:707:PHE:O	2.44	0.63
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.63
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.63
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.63
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.63
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.63
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.63
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.63
1:C:500:TYR:CB	1:C:762:PHE:C	2.71	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.63
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.63
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.63
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.63
1:C:508:GLU:CG	1:C:752:GLU:CG	2.25	0.63
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.63
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.63
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.63
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.79	0.63
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.63
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.63
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
1:C:824:TRP:HD1	1:C:826:TRP:HB3	1.59	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.63
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.63
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.63
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.63
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.63
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.63
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.63
1:C:332:ASP:HA	1:C:345:LYS:NZ	2.12	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.63
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.26	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.63
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.63
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.63
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.63
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.63
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.05	0.63
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.63
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.63
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.63
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.63
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.63
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.63
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.63
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.63
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.63
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.63
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.63
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.63
1:C:504:GLY:HA3	1:C:760:VAL:HG11	1.80	0.63
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.63
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.63
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.63
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.63
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.63
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.63
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.63
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.63
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.63
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.10	0.63
1:C:780:LYS:CE	3:Z:79:GLU:HG3	2.27	0.63
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.63
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.63
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.63
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.63
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.63
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.63
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.63
1:C:766:VAL:HG23	1:C:767:LEU:N	2.12	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.63
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:CB	1:C:774:ARG:CD	2.75	0.63
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.63
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.63
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.63
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.63
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.63
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.63
1:C:335:PHE:CB	1:C:345:LYS:NZ	2.60	0.63
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.63
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.61	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.27	0.63
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.63
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.63
1:C:726:ASN:HD22	1:C:726:ASN:N	1.96	0.63
2:Y:105:ASN:OD1	3:Z:119:ASP:C	2.40	0.63
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.63
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:499:GLU:HG3	1:C:710:ARG:NH1	2.12	0.63
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.63
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.63
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.63
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:221:GLN:HG3	1:C:337:ILE:CD1	2.27	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.63
2:Y:116:MET:HA	3:Z:20:PHE:CZ	2.33	0.63
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.63
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.63
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.63
3:Z:106:LEU:C	3:Z:109:VAL:HG22	2.19	0.63
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.63
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.63
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.63
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.63
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.63
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.96	0.63
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.26	0.63
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.63
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.63
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.63
1:C:506:ALA:HB2	1:C:766:VAL:HG12	0.81	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.63
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.63
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.63
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.63
1:C:242:ARG:HH11	1:C:271:ARG:CD	2.09	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.63
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.63
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:419:VAL:O	1:C:423:VAL:HG13	1.97	0.63
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.63
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.63
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.63
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:495:LEU:HA	1:C:755:LEU:CB	2.21	0.63
1:C:805:ARG:CZ	3:Z:20:PHE:HE2	2.11	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:500:TYR:CD1	1:C:707:PHE:HB2	2.33	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.63
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.63
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:801:LEU:CD2	3:Z:21:TRP:CZ3	2.81	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.63
1:C:144:ARG:NH1	1:C:720:TYR:OH	2.31	0.63
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.63
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.63
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.96	0.63
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.79	0.63
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.63
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.62	0.63
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.63
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.63
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.63
1:C:234:THR:HG22	1:C:271:ARG:CZ	2.27	0.63
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.63
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.34	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.63
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.63
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.63
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.34	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.57	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:499:GLU:CG	1:C:710:ARG:CD	2.76	0.63
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.63
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.63
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.63
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.63
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:811:ILE:HG13	1:C:812:GLN:H	1.64	0.63
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.63
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.34	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.51	0.63
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63
1:C:293:ILE:CG1	1:C:296:LEU:HB2	2.27	0.63
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.34	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:370:GLU:OE1	1:C:370:GLU:O	2.15	0.63
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.63
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:694:ASN:HD22	1:C:694:ASN:N	1.95	0.63
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.63
1:C:148:ILE:CD1	1:C:775:ASP:OD2	2.42	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.27	0.63
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:365:GLN:O	1:C:366:ARG:HB2	1.96	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.63
2:Y:94:ALA:HB1	3:Z:128:LEU:HD22	1.80	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:499:GLU:HB3	1:C:710:ARG:CG	2.28	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.63
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.63
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.63
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.63
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.63
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.62	0.63
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.63
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.63
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.63
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:500:TYR:CG	1:C:707:PHE:CE1	2.87	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.34	0.63
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.63
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.63
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.63
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.63
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.63
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.78	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.96	0.63
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.61	0.63
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.75	0.63
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.63
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.63
1:C:799:LYS:HG2	1:C:803:ASP:HB3	1.80	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.63
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.63
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.63
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.63
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.46	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.63
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:168:GLU:HB2	1:C:715:GLU:CB	2.10	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.63
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:229:TYR:HA	1:C:284:ILE:CD1	2.27	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.63
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.63
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.63
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.63
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.63
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.63
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.63	0.63
1:C:507:TRP:HH2	1:C:706:GLY:N	1.96	0.63
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.63	0.63
1:C:711:LEU:CD1	1:C:719:ARG:NH2	2.61	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.63
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:563:THR:HG1	1:C:579:GLU:CD	1.89	0.63
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.09	0.63
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.63
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.63
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.63
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.63
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	1.97	0.63
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.63
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.63
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
2:Y:100:GLU:HB3	3:Z:125:ILE:HA	1.81	0.63
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.63
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.63
1:C:166:ASP:CG	1:C:712:ILE:CD1	2.64	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.63
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.63
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.63
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.63
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.63
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.63
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.63
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.63
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.63
1:C:126:TYR:HE2	1:C:679:PRO:CD	1.62	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.63
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.63
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.96	0.63
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.27	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.63
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:504:GLY:O	1:C:770:LEU:HD12	1.97	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.63
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.63
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.63
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:507:TRP:HE3	1:C:707:PHE:CD1	2.12	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.96	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.63
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.63
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.63
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.79	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.63
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.63
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.63
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.63
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.63
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.63
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.63
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.63
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.63
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.63
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
3:Z:18:PHE:CE1	3:Z:32:LYS:HB3	2.31	0.63
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.63
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.63
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.63
1:C:503:GLU:C	1:C:760:VAL:HG13	2.15	0.63
1:C:805:ARG:N	3:Z:21:TRP:HZ3	1.97	0.63
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.63
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.63
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.63
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.63
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.63
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.63
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.63
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.63
1:C:766:VAL:HG23	1:C:767:LEU:N	2.12	0.63
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.63
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.63
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.63
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.63
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
2:Y:129:PHE:CZ	2:Y:134:VAL:HG21	2.32	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.63	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
2:Y:98:GLU:CB	3:Z:128:LEU:CD2	2.61	0.63
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.63
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.63	0.63
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.63
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:497:GLN:C	1:C:754:ARG:NE	2.56	0.63
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.63
1:C:800:LYS:HZ2	1:C:807:GLY:CA	2.11	0.63
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.63
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.63
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.63
1:C:811:ILE:HG13	1:C:812:GLN:H	1.64	0.63
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.63
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.63
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.63
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.63
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.63	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.63
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.63
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.63
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.63
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.63
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.63
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.63
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.63
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.63
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.63
1:C:800:LYS:O	1:C:802:GLN:N	2.32	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.63
2:Y:99:GLN:O	3:Z:127:LYS:NZ	2.31	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.63
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.27	0.63
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.63
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.63
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.63
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.63
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.61	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.63
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.63
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.63
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.63
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
1:C:100:LEU:HD11	1:C:688:LEU:N	2.10	0.63
1:C:143:LYS:HE3	1:C:775:ASP:HA	1.80	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.63
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.63
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.63
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.63
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.60	0.63
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.96	0.63
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.63
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.63	0.63
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.63
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.81	0.63
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.22	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.63
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.63
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.63
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.63
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.63
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.63
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.63
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.63
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.63
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.63
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.63
1:C:494:ILE:HD13	1:C:755:LEU:HG	1.75	0.63
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.63
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.81	0.63
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.63
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.63
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.63
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.63
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.63
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.63
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.63
1:C:335:PHE:HD2	1:C:345:LYS:HD3	1.57	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.79	0.63
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.63
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.63
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.63
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.63
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.63
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:800:LYS:C	1:C:803:ASP:OD1	2.40	0.63
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.63
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.63
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.63
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	1.96	0.63
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:106:ARG:NE	1:C:114:THR:OG1	2.31	0.63
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.63
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.63
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.63
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.63
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.63
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.63
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.63
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.63
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.63
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.63
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.62	0.63
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.63
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.63
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.63
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.63
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.63
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.63
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.63
1:C:792:TYR:OH	2:Y:99:GLN:CA	2.46	0.63
1:C:800:LYS:NZ	1:C:803:ASP:O	2.32	0.63
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.63
1:C:83:GLU:OE1	1:C:84:LYS:CG	2.33	0.63
1:C:145:LYS:HG2	1:C:158:ASN:ND2	2.13	0.63
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.63
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.63
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.63
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.63
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.63
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.63
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63
1:C:832:LYS:HE2	2:Y:48:GLY:H	1.62	0.63
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.63
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.63
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.63
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.63	0.63
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.63
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.63
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.63
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.63
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.63
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.63
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.34	0.63
1:C:56:ILE:HG13	1:C:69:VAL:HG22	1.79	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.63
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.63
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.81	0.63
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.63
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.63
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.63
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.63	0.63
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:121:ILE:CG2	1:C:669:ARG:HH21	2.11	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.63
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.63
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.63
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.63
1:C:723:LEU:HA	1:C:777:ARG:HH21	1.62	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.63
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.63
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.63
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.63
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.63
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.99	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:502:LYS:HG2	1:C:759:LYS:N	2.07	0.63
1:C:504:GLY:CA	1:C:755:LEU:HD12	2.25	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.63
1:C:796:LYS:HZ1	2:Y:98:GLU:CB	1.95	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.63
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.63
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.63
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.63
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.63
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.64	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.63
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:805:ARG:HG3	3:Z:21:TRP:HA	1.80	0.63
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.63
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.63
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.63
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.60	0.63
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.63
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.63
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.63
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.63
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.63
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.63
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.63
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.63
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.63
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
1:C:795:ARG:HH22	3:Z:43:ASN:HD21	1.44	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.63
1:C:507:TRP:CD1	1:C:508:GLU:O	2.51	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.63
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.63
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.63
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
2:Y:102:LYS:HE2	3:Z:127:LYS:CB	2.23	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.63
1:C:503:GLU:CG	1:C:756:GLY:HA3	2.11	0.63
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.63
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.63
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.63
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.63
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.63
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.63
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.63
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.63
1:C:491:HIS:CB	1:C:495:LEU:HD12	2.28	0.63
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.63
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.63
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.63
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:832:LYS:HE2	2:Y:47:LEU:CB	2.21	0.63
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.62	0.63
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.63
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.63
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.63
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.63
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.63	0.63
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:97:ASP:CG	3:Z:128:LEU:H	1.93	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.63
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.63
1:C:506:ALA:CB	1:C:766:VAL:CB	1.93	0.63
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.63
1:C:766:VAL:HG23	1:C:767:LEU:N	2.12	0.63
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.63
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.63
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.63
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.63
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.63
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.63
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.63
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.63
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.63
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.63
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
2:Y:100:GLU:CG	3:Z:127:LYS:HD3	2.07	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.63
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.63
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.63
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.63
1:C:452:ARG:CZ	3:Z:96:GLU:H	2.12	0.63
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.63
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:505:ILE:HG22	1:C:760:VAL:O	1.99	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.63
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.63
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.63
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.63
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.63
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.63
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.63
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.63
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.63
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.63
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.13	0.63
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.63
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.63
1:C:507:TRP:CD1	1:C:508:GLU:N	2.66	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.63
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.63
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.63
1:C:801:LEU:HD13	3:Z:17:LEU:HD21	1.81	0.63
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.63
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.63
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	1.96	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.63
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.63
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.63	0.63
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.63
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.62	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.63
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.64	0.63
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.63
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.63
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.62	0.63
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.63
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.63
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.63
1:C:766:VAL:HG23	1:C:767:LEU:N	2.12	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.63
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	1.95	0.63
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.63
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.63
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.63
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.63
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.63
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.63
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:811:ILE:HG13	1:C:812:GLN:H	1.64	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.96	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.63
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.63	0.63
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.63
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.63
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.63
1:C:5:PHE:HZ	3:Z:45:ARG:NH1	1.83	0.63
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.34	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.63
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.63
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.63
1:C:799:LYS:HZ3	1:C:806:ILE:CD1	1.76	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.63
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.63
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.63
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.63
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.63
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.63	0.63
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.63
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.63
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:726:ASN:HD22	1:C:726:ASN:N	1.96	0.63
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.96	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.63
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.63
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.63
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.63
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.63
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.63
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.63
1:C:583:TYR:CD1	1:C:584:ALA:CB	2.80	0.63
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.63
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.10	0.63
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.63
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.63
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.63

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.63
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.63
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.63
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.63
1:C:190:ILE:CG1	1:C:191:MET:N	2.59	0.63
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.63
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.63
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.63
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.61	0.63
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.63
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.63
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.63
1:C:595:LEU:H	1:C:595:LEU:HD12	1.63	0.63
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.63
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.63
1:C:508:GLU:HG2	1:C:751:ALA:CB	1.92	0.63
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.62
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.62
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.62
1:C:147:GLU:CG	1:C:771:GLU:O	2.46	0.62
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.62
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.62
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.62
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.62
1:C:505:ILE:C	1:C:754:ARG:N	2.50	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:100:GLU:HB2	3:Z:127:LYS:HD3	1.80	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.62
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:167:ARG:N	1:C:722:ILE:CD1	2.62	0.62
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.62
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.62
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.62
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.62
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.34	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.80	0.62
2:Y:99:GLN:HG3	3:Z:127:LYS:C	2.23	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.62
2:Y:85:SER:HG	2:Y:88:THR:H	1.44	0.62
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.62
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.62
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.62
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.62
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.62
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.62
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	1.96	0.62
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.63	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.62
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.62
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.62
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.62
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.62
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.62
1:C:725:PRO:HD3	1:C:777:ARG:HH12	1.61	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.13	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.62
1:C:507:TRP:HB2	1:C:707:PHE:CE2	2.34	0.62
1:C:796:LYS:HE2	3:Z:128:LEU:CG	2.24	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.62
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.62
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.62
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.62
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.62
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.62
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.62
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.62
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.62
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.64	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.62
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.62
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.62
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.62
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.62
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.62
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.62
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.62
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.62
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.62
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.62
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.62
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.62
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.62
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.62
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
1:C:494:ILE:O	1:C:498:GLU:HG2	1.98	0.62
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.62
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.62
1:C:502:LYS:HB3	1:C:757:THR:N	1.97	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.62
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.62
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.62
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:507:TRP:CD1	1:C:508:GLU:C	2.76	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.62
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.62
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.51	0.62
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.62
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.62
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.62
1:C:126:TYR:CE2	1:C:679:PRO:HG3	2.29	0.62
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.62
1:C:114:THR:HB	1:C:121:ILE:HG12	1.79	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:808:LEU:HD21	2:Y:112:LEU:HD13	1.79	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.62
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:163:MET:HB3	1:C:454:TYR:CD2	2.33	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.62
1:C:231:ASN:O	1:C:242:ARG:NH2	2.31	0.62
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:472:PHE:HB3	1:C:597:LYS:NZ	2.13	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
2:Y:134:VAL:HG23	2:Y:134:VAL:O	1.96	0.62
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.62
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.62
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.62
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.62
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.64	0.62
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.77	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.62
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.62
1:C:501:LYS:H	1:C:761:PHE:CA	2.09	0.62
1:C:736:LYS:NZ	1:C:757:THR:O	2.24	0.62
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.62
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.62
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.62
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.62
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.62
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.62
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.64	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.65	0.62
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.62
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.62
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.62
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.62
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.62
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.62
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.62
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.62
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.62
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.62
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.11	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.62
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.51	0.62
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.62
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.62
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.62
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.62
1:C:503:GLU:CD	1:C:760:VAL:HG23	2.22	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.65	0.62
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.62
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.62
1:C:505:ILE:CD1	1:C:754:ARG:CA	2.76	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.62	0.62
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.62	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.62
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.62
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.62
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.27	0.62
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.62
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.96	0.62
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.62
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.62
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.62
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.62
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.62
2:Y:105:ASN:N	3:Z:120:GLU:CG	2.52	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:497:GLN:O	1:C:754:ARG:CZ	2.47	0.62
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.62	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.62
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.62
1:C:144:ARG:CG	1:C:774:ARG:HD3	2.29	0.62
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.62
1:C:704:ARG:CB	1:C:764:ALA:HB2	2.18	0.62
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.62
1:C:801:LEU:HD13	3:Z:21:TRP:HE3	1.42	0.62
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.62
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.62
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.62
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.62
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.62	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:503:GLU:C	1:C:760:VAL:HA	2.24	0.62
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.62
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.62
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.61	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.62
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.62
2:Y:101:THR:HA	3:Z:127:LYS:NZ	2.14	0.62
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.62
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.62
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.62
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.62
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:799:LYS:O	1:C:803:ASP:OD1	2.17	0.62
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.79	0.62
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.62
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.62
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.62
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.62
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.62
1:C:800:LYS:O	1:C:804:GLN:HB2	1.99	0.62
1:C:332:ASP:HA	1:C:345:LYS:HE2	1.79	0.62
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.62
1:C:143:LYS:CD	1:C:775:ASP:HA	2.30	0.62
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.62
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.62
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.62
1:C:499:GLU:HB2	1:C:710:ARG:CZ	2.29	0.62
1:C:712:ILE:HG12	1:C:715:GLU:H	1.62	0.62
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.62
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.62	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.62
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.89	0.62
2:Y:101:THR:CB	3:Z:124:GLU:O	2.47	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.62
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.62
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.62
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.62
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.62
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.62
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.62
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.62
1:C:85:LEU:CD1	1:C:85:LEU:N	2.61	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.62
1:C:703:CYS:O	1:C:764:ALA:CB	2.44	0.62
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.62
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.62
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.62
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.62
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.62
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62
1:C:507:TRP:C	1:C:766:VAL:HG22	2.23	0.62
2:Y:99:GLN:HG3	3:Z:127:LYS:HE3	1.80	0.62
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.62
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:CG2	1:C:761:PHE:CA	2.61	0.62
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
1:C:82:PHE:CB	1:C:91:MET:SD	2.84	0.62
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.62
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.64	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
1:C:792:TYR:HE1	1:C:793:LEU:CB	1.91	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.62
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.62
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
1:C:82:PHE:CB	1:C:91:MET:SD	2.84	0.62
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.62
1:C:147:GLU:OE2	1:C:775:ASP:CG	2.43	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.64	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.62
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.62
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.62
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.62
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.62
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.62
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.62
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.62
1:C:504:GLY:N	1:C:755:LEU:HG	2.14	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.62
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.62
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62
1:C:505:ILE:HD11	1:C:761:PHE:N	2.07	0.62
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.26	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.62
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.62
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.62
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.62
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.62
1:C:799:LYS:HG2	2:Y:95:MET:CG	2.28	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.62
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.96	0.62
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.62
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.62
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.62
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.62
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.62
1:C:811:ILE:HG13	1:C:812:GLN:H	1.64	0.62
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.62
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.64	0.62
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.62
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.62
1:C:507:TRP:CZ3	1:C:707:PHE:N	2.66	0.62
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.62
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.62
1:C:502:LYS:CB	1:C:756:GLY:C	2.60	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.62
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.62
1:C:832:LYS:HZ3	2:Y:48:GLY:N	1.96	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.62
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.62
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.62
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.61	0.62
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.62
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.10	0.62
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.62
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.96	0.62
2:Y:134:VAL:HG13	2:Y:139:PHE:CD1	2.25	0.62
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.62
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.62
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.62
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.62
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.62
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.62
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.62	0.62
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.62
1:C:799:LYS:O	1:C:803:ASP:OD1	2.18	0.62
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.62
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.62
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.62
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.62
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.62
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.62
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.62
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.62
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.62
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.62
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.62
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.64	0.62
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.62
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.63	0.62
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.62
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.62
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.96	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.62
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.65	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.62
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.62
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.46	0.62
2:Y:100:GLU:CG	3:Z:127:LYS:HE2	2.28	0.62
1:C:82:PHE:CB	1:C:91:MET:SD	2.84	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.62
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.62
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.62
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.62
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.62
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.62
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.62
1:C:502:LYS:HE2	1:C:713:TYR:OH	1.99	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.62
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.62
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.62
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.77	0.62
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.62
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.62
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.62
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.62
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.62
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.62
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.62
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.62
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
1:C:595:LEU:H	1:C:595:LEU:HD12	1.63	0.62
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.62
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.62
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.62
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.62
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.62
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.62
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.62
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.62
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.62
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.62
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.62
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.62
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.62
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.62
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.62
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
1:C:503:GLU:H	1:C:761:PHE:HE1	1.47	0.62
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.62
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.62
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.62
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.62
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.62
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.62
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.62
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.62
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.62
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.62
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.62
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.62
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.62
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.62
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.62
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.62	0.62
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.62
1:C:552:TYR:HA	1:C:556:MET:CG	2.22	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.62
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
1:C:505:ILE:HB	1:C:709:SER:C	2.24	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.62
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.62
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.62
1:C:147:GLU:CG	1:C:771:GLU:CA	2.76	0.62
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.62
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.62
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.62
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.62
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.62
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.62
1:C:439:VAL:O	1:C:442:VAL:HG22	1.98	0.62
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.62
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.62
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.62
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.62
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.62
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.62
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.62
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.62
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.62
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.62
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.62
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.62
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.62
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.62
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.62
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.62
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.62
3:Z:18:PHE:HE1	3:Z:32:LYS:CG	1.84	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.26	0.62
1:C:595:LEU:CD1	1:C:595:LEU:N	2.61	0.62
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.62
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.62
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.62
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.62
2:Y:94:ALA:HA	3:Z:128:LEU:CD2	2.28	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.62
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
1:C:507:TRP:HB3	1:C:753:TYR:N	2.14	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.62
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.62
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.62
1:C:737:THR:O	1:C:741:LYS:HG3	1.99	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.62
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.62
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.62
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.62
1:C:258:ALA:CB	3:Z:101:ILE:HG13	2.21	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.96	0.62
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.62
3:Z:90:PHE:CE2	3:Z:141:TYR:CB	2.59	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:507:TRP:HZ3	1:C:707:PHE:CA	1.66	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.62
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.62
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.62
1:C:603:ASN:HD22	1:C:603:ASN:N	1.95	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:603:ASN:HD22	1:C:603:ASN:N	1.95	0.62
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
1:C:165:THR:CB	1:C:715:GLU:OE2	2.48	0.62
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.62
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.62
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.62
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.62
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	1.96	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.62
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
1:C:664:HIS:CE1	1:C:719:ARG:NH2	2.68	0.62
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
1:C:801:LEU:HD21	3:Z:21:TRP:CH2	2.34	0.62
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.62
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.62
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.62
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.62
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.62
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.62
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.62
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.62
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.62
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.62
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.62
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.96	0.62
3:Z:11:LEU:HD23	3:Z:40:LEU:CD1	2.28	0.62
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.62
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.62
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.62
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.62
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.62
1:C:792:TYR:CZ	2:Y:99:GLN:CD	2.77	0.62
2:Y:138:LYS:NZ	3:Z:122:VAL:CG2	2.44	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.62
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.62
1:C:505:ILE:HD12	1:C:754:ARG:HE	1.56	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.62
1:C:138:ALA:HB2	3:Z:109:VAL:HA	1.81	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.62
1:C:603:ASN:HD22	1:C:603:ASN:N	1.96	0.62
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.62
1:C:60:ILE:HD11	1:C:63:ASP:CA	2.28	0.62
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.62
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.62	0.62
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.62
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.62
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.62
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.62
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.62
1:C:506:ALA:HB3	1:C:753:TYR:H	0.59	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.62
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.62
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
1:C:504:GLY:CA	1:C:755:LEU:O	2.47	0.62
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.62
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.62
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.62
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.62
1:C:834:LYS:CB	1:C:835:PRO:CD	2.68	0.62
1:C:144:ARG:HG3	1:C:144:ARG:O	1.98	0.62
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.62
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.62
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.62
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.62
2:Y:32:ASP:HB3	2:Y:34:PHE:HE1	1.45	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.62
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.96	0.62
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.62
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.62
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.62
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.62
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
2:Y:103:LYS:HD2	3:Z:126:ILE:HD11	1.79	0.62
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.62
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.62
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.62
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.62
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.96	0.62
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.13	0.62
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.62
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:503:GLU:CB	1:C:761:PHE:CD1	2.70	0.62
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.62
1:C:803:ASP:O	1:C:806:ILE:HG13	1.98	0.62
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.62
1:C:12:TYR:CE2	1:C:129:LEU:HD23	2.33	0.62
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.64	0.62
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.62
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.62
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.62
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.62
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.62
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:503:GLU:HB3	1:C:755:LEU:C	2.24	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.62
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.62
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.62
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.62
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.62
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.62
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.62
1:C:833:VAL:HG23	1:C:834:LYS:N	2.12	0.62
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.62
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.62
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.62
1:C:242:ARG:NH2	1:C:282:TYR:CA	2.42	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.62
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.62
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.62
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.62
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.62
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.62
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.62
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.62
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:501:LYS:N	1:C:754:ARG:N	2.45	0.62
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.62
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
3:Z:8:ILE:HG12	3:Z:9:ASP:N	2.11	0.62
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.62
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.62
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.62
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.62
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.62
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.62
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62
1:C:144:ARG:HH12	1:C:715:GLU:HB3	1.61	0.62
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.62
1:C:774:ARG:C	1:C:775:ASP:HA	2.25	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.62
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.62
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.62
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.62
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:287:GLN:CD	1:C:327:GLU:HB3	2.20	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.62
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.64	0.62
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.62
1:C:499:GLU:HA	1:C:756:GLY:HA3	1.80	0.62
1:C:502:LYS:CB	1:C:713:TYR:CZ	2.81	0.62
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.62
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.64	0.62
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.62
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
1:C:790:ARG:HB2	3:Z:38:ARG:NH1	2.13	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.62
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.62
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.62
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.62
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.62
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.62
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.64	0.62
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.62
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.62
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.62
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.62
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.62
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.62
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.62
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.27	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.34	0.62
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.62
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.62
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.62
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.64	0.62
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.62
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.24	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.64	0.62
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.62
1:C:800:LYS:HA	1:C:804:GLN:H	1.63	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.12	0.62
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.62
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.26	0.62
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.62
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.62
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.62
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.62
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:251:PHE:HA	3:Z:93:PHE:HD1	1.64	0.62
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.62
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.62
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.62
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.62
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.46	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.62
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.62
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.62
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:502:LYS:HG2	1:C:758:THR:H	1.65	0.62
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.62
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.62
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.62
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.65	0.62
1:C:43:PHE:CD2	1:C:97:ALA:HB2	2.34	0.62
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.62
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.62
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.62
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.62
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.62
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.62
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.62
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.62
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.62
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.62
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.62
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.62
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.62
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.62
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.62
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.62
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.62
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.62
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.35	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:503:GLU:CB	1:C:761:PHE:HD1	2.07	0.62
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.62
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.62
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:124:ASN:HD22	1:C:124:ASN:N	1.95	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.62
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.62
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.52	0.62
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.62
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.62
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.62
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.62
1:C:726:ASN:HD22	1:C:726:ASN:N	1.96	0.62
1:C:800:LYS:O	1:C:804:GLN:CB	2.48	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.62
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.62
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.62
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.62
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.34	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.62
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.62
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.62
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.62
1:C:707:PHE:HD2	1:C:763:LYS:HA	1.62	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.62
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.62
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:249:ILE:CD1	1:C:249:ILE:O	2.47	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:H	1:C:595:LEU:HD12	1.63	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.62
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.62
1:C:503:GLU:OE2	1:C:759:LYS:N	2.32	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
1:C:726:ASN:HD22	1:C:726:ASN:N	1.96	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:505:ILE:HD12	1:C:766:VAL:CA	2.30	0.62
1:C:506:ALA:HB1	1:C:766:VAL:HG11	1.11	0.62
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.62
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.62
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.62
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.62
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.62
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.62
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.62
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.62
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.62
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:507:TRP:CD2	1:C:763:LYS:CA	2.81	0.62
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.62
1:C:800:LYS:NZ	2:Y:95:MET:O	2.31	0.62
1:C:801:LEU:CD2	3:Z:21:TRP:HZ3	2.01	0.62
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.62
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:293:ILE:HG12	1:C:296:LEU:HB2	1.79	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.62
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.62
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.62
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.62
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.62
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.62
1:C:257:ILE:HD11	3:Z:108:HIS:CG	2.35	0.62
1:C:452:ARG:HE	3:Z:100:PHE:HE1	1.39	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.62
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.62
1:C:808:LEU:HB3	3:Z:20:PHE:CZ	2.35	0.62
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.62
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.62
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:507:TRP:N	1:C:766:VAL:HG21	2.13	0.62
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.62
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.62
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.62
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.62
1:C:507:TRP:HZ3	1:C:707:PHE:CD1	2.17	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.62
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.62
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.62
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.62
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.62
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.62
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.62
1:C:805:ARG:CD	3:Z:21:TRP:N	2.63	0.62
3:Z:98:GLN:OE1	3:Z:100:PHE:HB3	1.97	0.62
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.62
1:C:505:ILE:HD11	1:C:766:VAL:CG1	2.23	0.62
1:C:506:ALA:O	1:C:707:PHE:HE2	1.81	0.62
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.62
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.62
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.62
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.62
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.62
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.62
1:C:811:ILE:HG13	1:C:812:GLN:H	1.64	0.62
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.62
1:C:350:LYS:HZ2	1:C:386:LEU:CG	1.99	0.62
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.65	0.62
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.82	0.62
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.62
1:C:766:VAL:HG23	1:C:767:LEU:N	2.12	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.62
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.62
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.62
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.62
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.62
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.62
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.62
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.62
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.62
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.62
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.62
2:Y:108:TYR:CD1	3:Z:120:GLU:HB2	2.33	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.62
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.62
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.62
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.62
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.62
1:C:356:LEU:HD12	1:C:356:LEU:H	1.61	0.62
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.62
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.62
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.62
1:C:737:THR:O	1:C:741:LYS:HG3	1.98	0.62
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.65	0.62
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.62
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.62
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.62
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.62
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.62
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.62
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.62
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.62
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.62
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.92	0.62
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.62
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.62
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.62
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.62
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.62
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.62
1:C:231:ASN:HD21	1:C:241:SER:HA	1.61	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.62
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
1:C:771:GLU:OE1	1:C:775:ASP:OD1	2.18	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.62
1:C:228:ALA:C	1:C:284:ILE:HD11	2.23	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.62
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.62
1:C:242:ARG:NH1	1:C:271:ARG:HD3	2.11	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:313:ASN:HD22	1:C:313:ASN:N	1.96	0.62
1:C:500:TYR:CE1	1:C:707:PHE:HB2	2.31	0.62
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.62
1:C:573:GLN:CD	1:C:573:GLN:C	2.62	0.62
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.62
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.62
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HE	1.96	0.62
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.62
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.62
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.62
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.62
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.62
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.62
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.62
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.62
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.62
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.62
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.62
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.62
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.62
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.62
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.62
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.62
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.62
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.62
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.62
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.62
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.62
1:C:219:ILE:CG1	1:C:220:ILE:H	1.88	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.62
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.12	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.62
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.62
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.62
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.65	0.62
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.62
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.62
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.62
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.62
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.35	0.62
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.62
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.62
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.62
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.62
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.62
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.62	0.62
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.62
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.62
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.62
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.62
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.62
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.62
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.62
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.62
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.62
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.62
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:503:GLU:HG2	1:C:759:LYS:C	2.24	0.62
2:Y:102:LYS:HE2	3:Z:127:LYS:HB2	1.81	0.62
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.62
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:800:LYS:O	1:C:804:GLN:N	2.33	0.62
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.62
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.62
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.62
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.62
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.62
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.62
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.62
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.62
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.12	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.62
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.62
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.62
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.62
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:503:GLU:HG2	1:C:761:PHE:CE1	2.34	0.62
1:C:507:TRP:CB	1:C:754:ARG:HG3	2.25	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
1:C:174:ILE:CG2	1:C:668:VAL:HG21	2.28	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.62
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.62
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.62
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.62
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.62
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.62
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.62
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.62
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.62
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.62
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.62
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.62
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.62
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.62
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.62
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.62
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:725:PRO:HD2	1:C:777:ARG:NH2	2.11	0.62
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.62
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.62
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.62
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.62
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.62
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.62
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.62
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.65	0.62
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.62
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.62
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.62
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.62
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.62
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.62
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.62
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.62
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.62
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.62
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.62
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.62
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.62
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.62
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.62
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.62
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.62
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.62
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.62
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.62
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.65	0.62
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.62
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.62
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.62
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.62
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.62
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.62
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.62
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.62
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:365:GLN:O	1:C:366:ARG:CB	2.46	0.62
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.62
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.62
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.62
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.62
3:Z:134:ASP:OD1	3:Z:138:ASN:CG	2.41	0.62
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.62
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.62
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.62
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.62
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.62
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.62
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.62
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.62
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.62
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.62
1:C:506:ALA:H	1:C:763:LYS:N	1.96	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.62
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.62
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.62
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.62
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.62
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.62
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.62
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.62
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.62
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.62
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.62
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.62
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.62
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.62
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.62
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.62
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.62
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.62
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.62
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.62
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.62
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.62
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.62
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.62
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:800:LYS:NZ	1:C:807:GLY:H	1.97	0.62
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.62
2:Y:108:TYR:OH	3:Z:118:SER:OG	2.10	0.62
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:742:ILE:CD1	1:C:743:LEU:N	2.62	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.62
1:C:147:GLU:CG	1:C:771:GLU:HA	2.30	0.62
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.62
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.62
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.62
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.62
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.62
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.13	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:500:TYR:O	1:C:761:PHE:CD1	2.52	0.62
1:C:507:TRP:HB3	1:C:754:ARG:NE	2.14	0.62
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.62
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.62
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.62
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.62
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.62
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.62
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.62
1:C:297:ASN:HD22	1:C:297:ASN:N	1.95	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.62
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.62
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.62
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.62
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.62
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.62
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.62

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.62
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.62
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.62
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.62
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.62
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.34	0.62
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.62
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.62
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.62
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.62
1:C:133:THR:O	1:C:137:ILE:CG2	2.43	0.62
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.62
1:C:505:ILE:HG13	1:C:754:ARG:HE	1.63	0.62
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.62
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.62
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.62
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.62
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.62
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.62
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.62
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.62
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.62
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.61
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.61
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.61
3:Z:101:ILE:HD13	3:Z:106:LEU:HD21	1.79	0.61
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.61
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.61
1:C:365:GLN:O	1:C:366:ARG:CB	2.47	0.61
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.61
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:244:GLY:O	1:C:264:THR:HA	1.99	0.61
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	1.97	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
1:C:766:VAL:HG23	1:C:767:LEU:N	2.13	0.61
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.61
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.61
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.61
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.61
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.61
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.34	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:509:PHE:N	1:C:750:PRO:O	2.33	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.61
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.61
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.61
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.61
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.12	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.61
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:56:ILE:CG1	1:C:69:VAL:HG23	2.26	0.61
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.61
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.61
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.61
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:507:TRP:HB3	1:C:754:ARG:CG	2.30	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.61
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.61
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.61
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.61
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.61
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	1.96	0.61
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.61
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.61
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.61
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.61
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.61
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.61
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.61
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.61
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.61
1:C:722:ILE:O	1:C:777:ARG:NE	2.33	0.61
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.61
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.61
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
2:Y:101:THR:CA	3:Z:127:LYS:N	2.56	0.61
2:Y:102:LYS:CB	3:Z:127:LYS:HD2	2.28	0.61
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.61
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.61
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.61
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.96	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.61
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.61
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.61
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
2:Y:21:LYS:HA	2:Y:69:PHE:CE1	2.34	0.61
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.61
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.61
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.61
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.61
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.61
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.61
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:506:ALA:HB1	1:C:750:PRO:C	2.20	0.61
1:C:507:TRP:CB	1:C:754:ARG:CG	2.73	0.61
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.80	0.61
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.61
1:C:231:ASN:HD21	1:C:241:SER:HA	1.61	0.61
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.61
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.61
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.30	0.61
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.61
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.61
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.61
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.61
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	1.97	0.61
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61
1:C:12:TYR:CE1	1:C:13:LEU:HG	2.34	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.61
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.61
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.61
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.61
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.61
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.61
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.64	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.48	0.61
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.61
1:C:238:ASN:HD21	1:C:322:ILE:HG12	1.59	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
2:Y:101:THR:CG2	3:Z:126:ILE:HG23	2.30	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.61
1:C:760:VAL:CG2	1:C:762:PHE:HE1	2.11	0.61
1:C:811:ILE:HG13	1:C:812:GLN:H	1.64	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.61
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.61
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.16	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:143:LYS:CB	1:C:148:ILE:HD12	2.24	0.61
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.61
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:383:VAL:HG23	1:C:384:ALA:H	1.62	0.61
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.61
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.61
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.61
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.61
1:C:505:ILE:HD13	1:C:761:PHE:CG	2.30	0.61
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.61
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.61
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.61
1:C:167:ARG:HB2	1:C:721:SER:H	1.65	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.61
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.61
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.61
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.61
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.61
1:C:507:TRP:HB3	1:C:761:PHE:C	2.25	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.61
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.61
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.61
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.61
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.61
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.61
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.61
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.61
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.61
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.61
1:C:173:LEU:HD23	1:C:459:LEU:CB	2.21	0.61
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.61
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.61
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.61
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.61
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.61
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.77	0.61
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.61
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.61
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.61
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.61
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.61
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.61
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.61
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.61
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.61
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.61
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.61
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.31	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.61
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.61
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.61
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.61
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.61
1:C:419:VAL:CG2	1:C:420:VAL:H	2.08	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.61
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.61
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.61
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.61
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.61
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:190:ILE:CG1	1:C:191:MET:N	2.60	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.61
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.61
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.61
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.61
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.61
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.61
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:134:ASP:HA	3:Z:108:HIS:CE1	2.35	0.61
1:C:141:ARG:HD3	3:Z:93:PHE:HD1	1.65	0.61
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.61
1:C:256:LYS:N	3:Z:95:ARG:HH12	1.63	0.61
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.66	0.61
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.61
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.61
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.61
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.61
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.25	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.61
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.61
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.61
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.61
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.61
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:162:ASN:O	1:C:166:ASP:HB2	1.98	0.61
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.61
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.61
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.35	0.61
1:C:82:PHE:CB	1:C:91:MET:SD	2.84	0.61
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.48	0.61
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.61
1:C:507:TRP:CZ3	1:C:707:PHE:CD1	2.88	0.61
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
1:C:166:ASP:CG	1:C:715:GLU:HB2	2.17	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.61
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.61
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.61
2:Y:85:SER:HG	2:Y:88:THR:H	1.44	0.61
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.61
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.61
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.61
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.61
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.61
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.61
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.34	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.18	0.61
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.61
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.61
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.61
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.61
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.61
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.61
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.61
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:504:GLY:CA	1:C:767:LEU:HD13	2.14	0.61
1:C:508:GLU:CG	1:C:752:GLU:CD	2.73	0.61
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.31	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.61
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.61
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.61
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.61
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:505:ILE:HG23	1:C:762:PHE:N	2.15	0.61
1:C:509:PHE:HB3	1:C:751:ALA:HA	1.82	0.61
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.61
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	1.98	0.61
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.61
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.61
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.12	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.61
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.61
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.61
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.61
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.61
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.61
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.61
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.61
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.61
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.61
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.61
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.61
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.61
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.61
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.61
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.61
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.31	0.61
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.61
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.61
1:C:722:ILE:HA	1:C:777:ARG:NH1	2.14	0.61
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.61
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.09	0.61
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.16	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:502:LYS:CE	1:C:713:TYR:CZ	2.69	0.61
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.61
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.61
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.61
1:C:371:GLN:NE2	1:C:372:ALA:O	2.32	0.61
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.61
1:C:717:LYS:HZ3	1:C:738:VAL:CG1	2.12	0.61
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.65	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.61
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.61
1:C:811:ILE:HG13	1:C:812:GLN:H	1.64	0.61
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.61
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
1:C:726:ASN:HD22	1:C:726:ASN:N	1.96	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.61
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.61
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:799:LYS:O	1:C:802:GLN:N	2.33	0.61
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:231:ASN:HD21	1:C:241:SER:HA	1.61	0.61
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.61
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.61
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.61
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.61
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.61
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.61
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.61
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.61
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.63	0.61
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.61
1:C:800:LYS:N	1:C:804:GLN:N	2.48	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.31	0.61
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.61
1:C:505:ILE:HG13	1:C:753:TYR:CA	2.23	0.61
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.61
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.35	0.61
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.61
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.61
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.80	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.61
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.61
1:C:449:LYS:O	1:C:449:LYS:HG2	1.98	0.61
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.61
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.61
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.61
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.61
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.61
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.61
1:C:285:PHE:CE2	1:C:311:PHE:HE1	2.17	0.61
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.61
1:C:365:GLN:CG	1:C:366:ARG:N	2.48	0.61
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.61
3:Z:46:ASN:HD22	3:Z:46:ASN:N	1.95	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.61
1:C:667:PHE:CE2	1:C:669:ARG:HB2	2.30	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.25	0.61
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.61
1:C:799:LYS:HG3	1:C:803:ASP:HB3	1.82	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.61
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.61
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.61
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.61
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.45	0.61
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.09	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.61
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.61
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.35	0.61
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.61
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.61
1:C:158:ASN:O	1:C:771:GLU:CG	2.48	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.25	0.61
1:C:499:GLU:HG3	1:C:710:ARG:HB3	1.81	0.61
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.61
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.09	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
1:C:818:TRP:NE1	1:C:822:ARG:HH21	1.97	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.61
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.61
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.61
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.61
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.25	0.61
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.61
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.61
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.61
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.61
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.61
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.61
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.25	0.61
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.61
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
2:Y:86:GLU:HB3	2:Y:149:LYS:HE2	1.80	0.61
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.61
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.61
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:723:LEU:CB	1:C:777:ARG:CZ	2.73	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.25	0.61
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.61
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.25	0.61
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.61
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.25	0.61
1:C:502:LYS:CD	1:C:755:LEU:O	2.32	0.61
1:C:595:LEU:H	1:C:595:LEU:HD12	1.64	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
1:C:503:GLU:O	1:C:756:GLY:HA2	2.00	0.61
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.61
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.61
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.48	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.31	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.61
1:C:234:THR:HG22	1:C:271:ARG:HH12	1.63	0.61
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.61
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.61
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.61
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.61
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.61
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.61
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:507:TRP:HB3	1:C:753:TYR:CA	2.29	0.61
1:C:509:PHE:H	1:C:751:ALA:HA	0.45	0.61
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
2:Y:90:ARG:HH11	3:Z:127:LYS:NZ	1.98	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:505:ILE:C	1:C:754:ARG:H	2.08	0.61
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.61
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.61
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.61
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.61
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.61
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.61
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.61
1:C:147:GLU:CD	1:C:770:LEU:O	2.42	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.61
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.61
1:C:123:VAL:HA	1:C:671:ILE:CG1	2.27	0.61
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.61
1:C:811:ILE:HG13	1:C:812:GLN:H	1.64	0.61
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.61
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.61
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.61
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.61
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.61
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.61
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.61
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.61
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.62	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.61
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.61
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.09	0.61
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.61
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.30	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
1:C:228:ALA:C	1:C:284:ILE:HD11	2.23	0.61
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.61
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.61
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.61
1:C:801:LEU:HD11	3:Z:21:TRP:CD2	2.35	0.61
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.61
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.61
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.61
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.61
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.61
1:C:163:MET:SD	1:C:170:GLN:HB2	2.39	0.61
1:C:493:PHE:CZ	1:C:698:GLU:HB3	2.34	0.61
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.61
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.61
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.61
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.61
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.61
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.61
1:C:503:GLU:C	1:C:757:THR:HG23	2.25	0.61
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.12	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.61
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:454:TYR:N	3:Z:92:THR:CA	2.20	0.61
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.61
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.61
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.61
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.61
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.61
1:C:498:GLU:C	1:C:756:GLY:HA2	2.26	0.61
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.25	0.61
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.61
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.61
1:C:233:LYS:HG3	1:C:238:ASN:HA	1.81	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:772:GLU:CD	1:C:776:GLU:HG3	2.25	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.61
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.34	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.61
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.61
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.65	0.61
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.61
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.61
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.61
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.61
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.61
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.48	0.61
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.61
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.61
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.61
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:505:ILE:HD13	1:C:766:VAL:CB	2.29	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.16	0.61
1:C:144:ARG:CD	1:C:147:GLU:HG2	2.29	0.61
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.61
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.61
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.61
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.09	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:503:GLU:HG3	1:C:760:VAL:C	2.25	0.61
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.61
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.61
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.61
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.61
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
1:C:121:ILE:O	1:C:121:ILE:CG1	2.47	0.61
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.61
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.61
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.30	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.61
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.09	0.61
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:8:PRO:CD	3:Z:115:GLU:CA	2.46	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:138:ALA:HB3	3:Z:113:LEU:HG	1.81	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:166:ASP:OD1	1:C:712:ILE:HG23	2.01	0.61
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.61
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.61
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.61
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.61
2:Y:99:GLN:HA	3:Z:127:LYS:HE2	1.82	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.61
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.09	0.61
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
3:Z:83:PHE:CE2	3:Z:87:MET:HG3	2.34	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.61
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:504:GLY:CA	1:C:760:VAL:CB	2.79	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.82	0.61
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.25	0.61
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.61
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.61
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.61
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.61
1:C:227:GLU:O	1:C:231:ASN:HB2	1.99	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.61
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.61
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.65	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:488:PHE:HE2	1:C:492:MET:CE	2.12	0.61
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.61
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.61
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.61
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.61
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.61
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.61
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.09	0.61
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.31	0.61
2:Y:98:GLU:OE1	2:Y:98:GLU:N	2.34	0.61
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:119:PHE:CG	1:C:667:PHE:HB3	2.29	0.61
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:724:ALA:N	1:C:777:ARG:NH2	2.49	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.65	0.61
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.61
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.61
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:800:LYS:NZ	2:Y:95:MET:CB	2.54	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.31	0.61
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.26	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.61
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.61
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.26	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.26	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:502:LYS:HA	1:C:713:TYR:HE1	1.65	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.61
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.61
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.26	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.61
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.61
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.61
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.61
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.26	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.16	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.61
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.61
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:319:VAL:HG21	1:C:322:ILE:CB	2.26	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:811:ILE:HG13	1:C:812:GLN:H	1.64	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.61
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.35	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.61
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.61
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:365:GLN:CG	1:C:366:ARG:N	2.48	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.61
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.61
2:Y:99:GLN:N	3:Z:128:LEU:HD23	2.16	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:503:GLU:CB	1:C:761:PHE:CD1	2.74	0.61
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.61
1:C:654:ASN:HD21	1:C:655:LYS:CE	2.11	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.61
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.61
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.61
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.61
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.61
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.61
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.61
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.61
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.61
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.61
1:C:792:TYR:CZ	2:Y:98:GLU:CG	2.84	0.61
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.61
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
1:C:704:ARG:C	1:C:764:ALA:HB2	2.25	0.61
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.61
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.61
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.61
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.61
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.61
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.61
1:C:801:LEU:CD1	3:Z:17:LEU:CG	2.76	0.61
1:C:10:PHE:CE2	1:C:14:ALA:CB	2.73	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.65	0.61
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.97	0.61
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.61
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.61
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.61
1:C:144:ARG:NE	1:C:147:GLU:HG2	2.09	0.61
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:799:LYS:CG	1:C:803:ASP:HB2	2.03	0.61
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.61
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.61
1:C:138:ALA:O	3:Z:113:LEU:HD13	1.99	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.61
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.61
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.61
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.61
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.61
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.61
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.61
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.61
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.61
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.61
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.61
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.61
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.61
1:C:800:LYS:O	1:C:804:GLN:CB	2.48	0.61
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.61
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.61
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.61
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.61
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.65	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.61
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.61
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.61
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.61
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.61
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:144:ARG:HD3	1:C:774:ARG:CZ	2.30	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.61
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.61
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.61
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.61
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.61
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.61
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.61
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.61
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.61
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.61
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.61
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.61
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.61
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.61
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.61
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.61
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:801:LEU:HD22	3:Z:21:TRP:CZ3	2.33	0.61
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.61
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.61
1:C:818:TRP:HE1	1:C:822:ARG:HH21	1.46	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.61
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.61
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.61
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:231:ASN:HD21	1:C:241:SER:HA	1.61	0.61
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.61
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.61
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.61
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.61
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.61
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.61
2:Y:101:THR:CG2	3:Z:126:ILE:HG13	2.21	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.61
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.61
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.66	0.61
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.61
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.61
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.61
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.61
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.61
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.61
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.61
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.61
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.61
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.61
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.61
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.61
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.61
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.61
1:C:182:LYS:HZ1	1:C:463:GLY:CA	2.13	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.61
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.61
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.61
1:C:801:LEU:CD1	3:Z:21:TRP:CZ3	2.74	0.61
2:Y:101:THR:CG2	3:Z:125:ILE:CD1	2.78	0.61
2:Y:102:LYS:CE	3:Z:128:LEU:O	2.48	0.61
2:Y:138:LYS:HZ1	3:Z:122:VAL:C	2.05	0.61
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.61
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.61
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.61
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.16	0.61
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.61
1:C:182:LYS:NZ	1:C:463:GLY:CA	2.63	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.61
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.61
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.61
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.16	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.61
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.61
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.61
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:496:GLU:HG2	1:C:710:ARG:NE	2.16	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.61
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.61
1:C:722:ILE:HG21	3:Z:92:THR:HG22	1.80	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:508:GLU:HB3	1:C:752:GLU:OE1	2.01	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.61
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.61
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.61
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.61
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.61
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.61
1:C:146:THR:CB	1:C:768:GLY:CA	2.65	0.61
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.24	0.61
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.61
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.61
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.61
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.61
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.30	0.61
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.61
1:C:345:LYS:HE3	1:C:349:PHE:CE2	2.35	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.61
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.12	0.61
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.16	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.61
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.61
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.61
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.61
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.61
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.61
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.61	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.61
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.61
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.61
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.61
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.61
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.61
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.61
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.61
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.61
2:Y:85:SER:HG	2:Y:88:THR:H	1.44	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.61
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.61
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.61
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.61	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.82	0.61
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.61
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.61
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.61
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.61
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.61
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.61	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.61
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.61
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.61
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.61
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.61
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.61
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.61
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.61
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:811:ILE:HG13	1:C:812:GLN:H	1.64	0.61
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.61
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.61
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.61
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.61
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.16	0.61
1:C:717:LYS:CE	1:C:738:VAL:HG11	2.29	0.61
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.61
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.61
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.82	0.61
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.61
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.61
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.61
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.61	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:503:GLU:H	1:C:711:LEU:H	1.49	0.61
1:C:503:GLU:HB3	1:C:767:LEU:HD11	1.83	0.61
1:C:651:GLU:CA	1:C:654:ASN:OD1	2.38	0.61
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.61
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.61
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.35	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.61
1:C:804:GLN:CD	3:Z:21:TRP:HH2	2.08	0.61
3:Z:18:PHE:HD2	3:Z:28:VAL:HG12	1.64	0.61
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.61
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.61
1:C:505:ILE:CB	1:C:761:PHE:CB	1.82	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.61
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.47	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.61
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.61
1:C:162:ASN:OD1	1:C:771:GLU:CA	2.48	0.61
1:C:167:ARG:CB	1:C:722:ILE:CD1	2.76	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.61
1:C:451:LYS:CD	3:Z:141:TYR:CB	2.71	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.61
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.65	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.61
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.61
3:Z:109:VAL:HG23	3:Z:110:LEU:N	2.14	0.61
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.61
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.61
1:C:507:TRP:HB3	1:C:753:TYR:HA	1.81	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.61
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.47	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.61
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	1.98	0.61
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.61
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.61
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.47	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.61
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.65	0.61
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.61
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.61
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.30	0.61
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.61
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.61
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.61
1:C:595:LEU:HD21	1:C:596:GLU:CG	2.28	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.61
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.61
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.61
1:C:502:LYS:HE3	1:C:757:THR:CG2	2.28	0.61
1:C:505:ILE:HD13	1:C:751:ALA:C	2.26	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
1:C:316:CYS:SG	1:C:318:THR:O	2.57	0.61
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.61
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.61
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.61
1:C:505:ILE:O	1:C:755:LEU:CA	2.48	0.61
1:C:507:TRP:C	1:C:754:ARG:CZ	2.69	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.61
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.61
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.64	0.61
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.61
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.61
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.61
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.61
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.61
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.61
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.61
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.61
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.61
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.61
1:C:773:MET:N	1:C:776:GLU:CG	2.63	0.61
2:Y:93:PHE:CE1	2:Y:141:TYR:CB	2.78	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.61
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.61
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.61
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.61
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.61
2:Y:96:PHE:CD2	2:Y:104:LEU:HD22	2.34	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.61
2:Y:101:THR:CG2	3:Z:120:GLU:O	2.49	0.61
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.61
1:C:798:TYR:O	1:C:801:LEU:N	2.34	0.61
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.61
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.61
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.61
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.61
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:7:ASP:CA	3:Z:115:GLU:HA	2.26	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.61
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.61
1:C:144:ARG:CZ	1:C:719:ARG:NH1	2.64	0.61
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.61
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.61
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.61
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.61
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.61
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:503:GLU:H	1:C:761:PHE:HE1	1.49	0.61
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.61
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.61
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.61
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.61
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.61
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.61
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.61
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.61
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.61
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.61
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.61
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.35	0.61
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.61
1:C:338:LEU:HB2	1:C:340:PHE:CD2	2.35	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:82:PHE:CB	1:C:91:MET:SD	2.84	0.61
1:C:144:ARG:CB	1:C:774:ARG:CB	2.79	0.61
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.61
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.61
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.61
2:Y:98:GLU:C	3:Z:128:LEU:CD1	2.69	0.61
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.61
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.61
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.61
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61
1:C:82:PHE:CB	1:C:91:MET:SD	2.84	0.61
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.61
1:C:288:ILE:C	1:C:288:ILE:HD12	2.25	0.61
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.61
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.61
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.96	0.61
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.61
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.61
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.61
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.61
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.48	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.61
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.61
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.61
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.61
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.61
1:C:507:TRP:CB	1:C:752:GLU:C	2.67	0.61
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.61
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.61
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.16	0.61
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.61
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	1.99	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.61
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.61
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.61
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.61
1:C:497:GLN:NE2	1:C:762:PHE:HA	2.16	0.61
1:C:501:LYS:HB3	1:C:760:VAL:HB	1.81	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.61
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.61
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.61
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.61
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.61
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.61
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.61
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.61
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.61
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.61
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.61
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.61
1:C:144:ARG:NH2	1:C:774:ARG:CB	2.58	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.61
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.61
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.61
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.16	0.61
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.61
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.61
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.61
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.61
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.61
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.61
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.61
1:C:796:LYS:CD	3:Z:128:LEU:HD11	2.19	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.61
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.61
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.61
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.61
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.61
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.61
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.61
1:C:35:TRP:CD1	1:C:77:MET:CA	2.83	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:498:GLU:OE2	1:C:757:THR:N	2.33	0.61
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.61
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.61
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.61
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.61
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.61
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.61
1:C:773:MET:CA	1:C:776:GLU:CB	2.74	0.61
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.61
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.61
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.61
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.61
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.22	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.61
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.61
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.61
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.31	0.61
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.61
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:573:GLN:CD	1:C:573:GLN:C	2.62	0.61
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.61
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.61
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.79	0.61
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.64	0.61
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.61
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.61
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.61
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.61
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.61
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.61
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.61
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.61
1:C:507:TRP:HZ3	1:C:706:GLY:O	1.83	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.61
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.61
2:Y:101:THR:HG21	3:Z:122:VAL:O	2.01	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.61
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.61
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.22	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.61
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.61
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.61
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.61
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.61
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.61
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.61
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.61
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.22	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.61
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.61
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.61
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.61
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.66	0.61
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.61
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.61
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.61
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.61
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.61
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.61
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.61
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.61
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.61
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.61
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.61
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.61
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.61
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.61
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.61
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.61
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.61
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.61
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.61
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.61

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.61
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.61
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.61
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.61
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.61
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.61
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.61
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.61
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.61
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.61
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.61
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.61
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.61
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.61
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.61
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.61
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.61
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.61
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.22	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.61
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.61
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.61
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.61
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.61
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.61
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.61
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.61
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.61
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.61
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.61
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.61
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.60
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.60
1:C:415:ASN:O	1:C:419:VAL:HG13	2.00	0.60
1:C:801:LEU:HB2	3:Z:17:LEU:HD11	1.82	0.60
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.60
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.60
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.84	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.60
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.60
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.60
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.60
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.60
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.60
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.60
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.60
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.60
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.60
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.60
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.60
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.60
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.60
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.60
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.84	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.60
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.60
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.60
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.60
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.31	0.60
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.60
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.60
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.60
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.60
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.60
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.60
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.60
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.60
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.60
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.60
1:C:805:ARG:CD	3:Z:20:PHE:HE2	1.96	0.60
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.60
1:C:507:TRP:CZ3	1:C:707:PHE:CD1	2.89	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:358:MET:CE	1:C:423:VAL:O	2.48	0.60
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.60
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.60
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.64	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
1:C:159:ALA:O	1:C:163:MET:HG3	2.00	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.82	0.60
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.60
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.60
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.60
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.60
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.60
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.60
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.60
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.60
1:C:76:SER:CB	1:C:93:TYR:CE1	2.83	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.60
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
1:C:507:TRP:N	1:C:766:VAL:HG11	2.16	0.60
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.65	0.60
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
2:Y:101:THR:OG1	3:Z:120:GLU:C	2.44	0.60
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.60
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.65	0.60
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.60
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.64	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
1:C:85:LEU:HG	1:C:91:MET:SD	2.40	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:144:ARG:CG	1:C:774:ARG:HB3	2.10	0.60
1:C:361:MET:HA	1:C:379:GLU:HG3	1.81	0.60
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.60
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.60
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.60
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.60
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.64	0.60
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.60
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
1:C:506:ALA:N	1:C:762:PHE:HA	2.16	0.60
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.65	0.60
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.60
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.60
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.60
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.01	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.60
1:C:522:LEU:HD12	1:C:561:MET:CB	2.22	0.60
1:C:726:ASN:HD22	1:C:726:ASN:N	1.96	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.61	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.64	0.60
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.60
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.65	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.48	0.60
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.60
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.60
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.60
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.60
1:C:165:THR:HB	1:C:715:GLU:CD	2.25	0.60
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.60
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.60
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.60
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.60
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.60
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.60
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.60
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.60
1:C:500:TYR:CZ	1:C:707:PHE:HB2	2.36	0.60
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.60
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.31	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.60
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.60
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.60
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.60
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.60
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
3:Z:111:THR:N	3:Z:117:LEU:CD1	2.56	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.60
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.60
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.60
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.60
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.60
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.60
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.60
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.60
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.60
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:799:LYS:CG	1:C:803:ASP:CB	2.24	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.60
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.60
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.60
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.60
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.60
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
1:C:772:GLU:OE1	1:C:776:GLU:OE1	2.17	0.60
1:C:805:ARG:HD3	3:Z:21:TRP:HB2	1.84	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.60
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.60
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.60
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.60
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.60
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.60
1:C:165:THR:CA	1:C:774:ARG:NH1	2.63	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.60
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.60
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.60
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.60
1:C:506:ALA:HB2	1:C:754:ARG:HH22	1.65	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.64	0.60
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.60
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.66	0.60
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.88	0.60
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.19	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
2:Y:98:GLU:OE1	2:Y:98:GLU:N	2.34	0.60
2:Y:102:LYS:CG	3:Z:127:LYS:CD	2.51	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.60
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.60
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.60
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.60
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:143:LYS:HB3	1:C:771:GLU:OE1	2.01	0.60
1:C:144:ARG:CG	1:C:771:GLU:CA	2.27	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.60
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.60
1:C:801:LEU:CD2	3:Z:21:TRP:CZ3	2.84	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.60
1:C:499:GLU:HB3	1:C:761:PHE:CZ	2.37	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.60
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.60
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.60
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.60
1:C:231:ASN:HD21	1:C:241:SER:HA	1.61	0.60
1:C:472:PHE:CB	1:C:594:TRP:CZ3	2.83	0.60
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.09	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.60
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.60
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.60
2:Y:94:ALA:CB	3:Z:128:LEU:CD2	2.79	0.60
2:Y:101:THR:CG2	3:Z:124:GLU:C	2.68	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:505:ILE:HD11	1:C:766:VAL:N	2.16	0.60
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:505:ILE:HG12	1:C:761:PHE:O	2.00	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.31	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.64	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.48	0.60
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.60
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.35	0.60
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.60
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.60
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.65	0.60
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.64	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:503:GLU:OE1	1:C:755:LEU:C	2.42	0.60
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.60
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.60
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.60
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
3:Z:58:MET:HG2	3:Z:59:GLY:H	1.65	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:492:MET:CA	1:C:710:ARG:HH12	2.14	0.60
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.60
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:503:GLU:CD	1:C:760:VAL:CG2	2.75	0.60
1:C:505:ILE:CG1	1:C:763:LYS:CB	2.78	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.60
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.60
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.60
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.60
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.60
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.60
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:148:ILE:HG22	3:Z:95:ARG:HD3	1.79	0.60
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.60
1:C:723:LEU:C	1:C:777:ARG:NH2	2.60	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.60
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.60
1:C:666:HIS:CD2	1:C:666:HIS:H	2.17	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.60
2:Y:17:ILE:CG1	2:Y:18:GLN:N	2.52	0.60
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.60
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.60
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
2:Y:93:PHE:CB	2:Y:141:TYR:CE2	2.83	0.60
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.60
2:Y:100:GLU:CB	3:Z:125:ILE:C	2.70	0.60
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.60
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.60
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.60
1:C:147:GLU:C	1:C:775:ASP:HB2	2.26	0.60
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.31	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.82	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.66	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.60
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.60
1:C:174:ILE:CA	1:C:668:VAL:HG22	2.13	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.60
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.60
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.60
1:C:488:PHE:HE2	1:C:492:MET:CE	2.11	0.60
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.60
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.60
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.84	0.60
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
1:C:502:LYS:O	1:C:716:PHE:CD1	2.55	0.60
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.60
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.17	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.60
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.60
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.60
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.60
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.60
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.60
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.60
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.60
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:451:LYS:HD3	3:Z:141:TYR:HB3	1.70	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:499:GLU:HB3	1:C:761:PHE:CZ	2.37	0.60
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.48	0.60
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.35	0.60
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.60
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.31	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.60
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.60
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.62	0.60
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:801:LEU:CD1	3:Z:17:LEU:HD11	2.30	0.60
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.36	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.60
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.60
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:771:GLU:CD	1:C:775:ASP:OD2	2.44	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.52	0.60
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:314:GLN:H	1:C:314:GLN:CD	2.10	0.60
1:C:675:GLU:OE1	1:C:676:LEU:HG	2.00	0.60
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.60
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.60
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.60
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.60
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.82	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
3:Z:117:LEU:CD1	3:Z:117:LEU:N	2.61	0.60
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.60
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:144:ARG:HH12	1:C:719:ARG:NE	1.98	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.60
1:C:473:GLU:CG	1:C:597:LYS:NZ	2.43	0.60
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.60
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.60
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.60
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.60
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:506:ALA:HB2	1:C:753:TYR:CD1	2.36	0.60
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.60
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
1:C:507:TRP:C	1:C:754:ARG:HD3	2.27	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.60
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:690:GLN:C	1:C:692:GLN:H	2.08	0.60
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.60
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.60
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
1:C:153:PHE:CZ	1:C:188:LYS:CE	2.81	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:314:GLN:H	1:C:314:GLN:CD	2.10	0.60
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.60
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.60
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.60
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.60
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.60
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.60
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.60
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.60
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.60
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.60
1:C:131:ILE:O	1:C:131:ILE:CG1	2.48	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.62	0.60
3:Z:125:ILE:HG12	3:Z:126:ILE:N	2.12	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.60
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
1:C:505:ILE:CG2	1:C:709:SER:HB2	2.31	0.60
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.11	0.60
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.09	0.60
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.60
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.60
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.60
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.83	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
1:C:499:GLU:CG	1:C:710:ARG:HH12	2.14	0.60
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.60
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.16	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:504:GLY:HA3	1:C:755:LEU:HD23	1.83	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.60
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.60
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.31	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.60
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.60
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.60
1:C:255:GLY:O	3:Z:113:LEU:CD1	2.49	0.60
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.60
1:C:496:GLU:CG	1:C:710:ARG:NE	2.28	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:500:TYR:HB3	1:C:709:SER:HB2	1.84	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.60
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.60
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:498:GLU:O	1:C:761:PHE:CD1	2.54	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.60
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.14	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.60
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.60
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.60
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.60
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.60
1:C:147:GLU:OE2	1:C:775:ASP:OD2	2.20	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.66	0.60
1:C:335:PHE:CB	1:C:345:LYS:CE	2.78	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
2:Y:85:SER:HG	2:Y:88:THR:H	1.49	0.60
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.60
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.60
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.60
1:C:82:PHE:CB	1:C:91:MET:SD	2.84	0.60
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.60
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.60
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.64	0.60
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.60
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.60
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.60
1:C:725:PRO:HD3	1:C:777:ARG:NH1	2.17	0.60
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.60
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.60
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.60
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.60
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.60
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
1:C:722:ILE:O	1:C:777:ARG:HD3	2.01	0.60
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:86:GLU:CD	1:C:150:PRO:CD	2.66	0.60
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.60
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.60
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.60
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.35	0.60
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.60
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.16	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.16	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.60
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.41	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.60
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.60
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.60
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.60
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.27	0.60
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.60
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.60
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.60
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.60
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.60
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.60
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.60
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.60
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.16	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.60
1:C:800:LYS:HE2	2:Y:95:MET:O	2.00	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.60
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.60
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.31	0.60
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.60
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
1:C:144:ARG:NH1	1:C:770:LEU:HD22	1.92	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.60
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.60
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
1:C:648:VAL:HG13	1:C:649:HIS:N	2.14	0.60
1:C:792:TYR:OH	2:Y:97:ASP:O	2.17	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.60
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.60
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.60
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.16	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.60
1:C:723:LEU:HA	1:C:777:ARG:NE	2.08	0.60
1:C:772:GLU:O	1:C:775:ASP:HB2	2.01	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.19	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.60
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.60
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.60
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.60
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.60
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
1:C:664:HIS:CE1	1:C:711:LEU:HD22	2.36	0.60
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:501:LYS:HZ1	1:C:743:LEU:HD21	1.57	0.60
1:C:509:PHE:O	1:C:752:GLU:OE1	2.11	0.60
1:C:800:LYS:CE	1:C:804:GLN:HG3	2.31	0.60
3:Z:142:GLU:O	3:Z:145:VAL:CG2	2.47	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.60
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.60
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.19	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:504:GLY:O	1:C:756:GLY:N	2.31	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.60
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.36	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.60
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.30	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:717:LYS:HZ2	1:C:738:VAL:CG1	2.13	0.60
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.60
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.60
1:C:451:LYS:HE2	3:Z:100:PHE:CZ	2.36	0.60
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.60
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.60
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:723:LEU:C	1:C:777:ARG:HH21	2.10	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:499:GLU:HA	1:C:756:GLY:CA	2.30	0.60
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.60
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.60
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.60
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.35	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.60
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.60
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.60
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.60
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.60
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.60
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.63	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.16	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.60
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.60
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.60
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.60
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.60
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.60
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:800:LYS:NZ	1:C:804:GLN:HG3	2.16	0.60
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.60
1:C:60:ILE:O	1:C:60:ILE:CG1	2.48	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.60
1:C:473:GLU:HG2	1:C:597:LYS:HZ3	1.52	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.41	0.60
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.60
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.36	0.60
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.60
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.60
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60
1:C:811:ILE:HG13	1:C:812:GLN:H	1.64	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60
1:C:800:LYS:O	1:C:804:GLN:HB2	2.01	0.60
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.16	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CD1	1:C:141:ARG:CA	2.83	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.60
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.60
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.60
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.60
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
1:C:496:GLU:OE1	1:C:710:ARG:CG	2.29	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.60
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.60
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.60
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.60
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.60
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.60
1:C:801:LEU:HD22	3:Z:21:TRP:CZ3	2.36	0.60
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.64	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.82	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.60
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.64	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.60
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.60
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.60
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.60
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.60
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
1:C:773:MET:C	1:C:776:GLU:CB	2.71	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.90	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.60
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.60
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.60
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.60
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.60
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.60
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:371:GLN:CG	1:C:372:ALA:H	2.15	0.60
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.60
1:C:472:PHE:CD1	1:C:594:TRP:CZ3	2.89	0.60
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.60
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:501:LYS:HD2	1:C:753:TYR:HD1	1.64	0.60
1:C:502:LYS:HB3	1:C:759:LYS:N	2.10	0.60
1:C:505:ILE:HD13	1:C:767:LEU:CD1	2.32	0.60
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.60
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:832:LYS:HZ1	2:Y:48:GLY:N	1.98	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.90	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.60
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.60
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.84	0.60
1:C:135:SER:CB	3:Z:111:THR:O	2.23	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.31	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.90	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.60
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.60
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.64	0.60
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.60
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.60
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.90	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.60
1:C:99:VAL:CG2	1:C:100:LEU:H	2.14	0.60
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.64	0.60
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.90	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.60
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.60
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.60
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.60
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.60
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.60
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.31	0.60
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:523:ILE:HD12	1:C:523:ILE:C	2.25	0.60
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.60
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.62	0.60
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.60
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:257:ILE:O	3:Z:105:GLU:OE2	2.19	0.60
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.60
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.60
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.60
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.60
1:C:509:PHE:N	1:C:753:TYR:H	2.00	0.60
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.60
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.60
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.60
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.60
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.63	0.60
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.60
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.60
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.60
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.60
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.60
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.60
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.60
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.60
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.60
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.60
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
1:C:772:GLU:O	1:C:776:GLU:N	2.34	0.60
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:243:PHE:CZ	1:C:245:LYS:HE2	2.35	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.60
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.60
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.60
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.19	0.60
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.60
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.60
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.60
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.60
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.60
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.60
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.60
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.60
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.60
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.60
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.60
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.60
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.60
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.60
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.60
1:C:726:ASN:HD22	1:C:726:ASN:N	1.96	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.60
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.60
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.60
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.60
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.60
1:C:280:ARG:HH22	1:C:283:HIS:HD1	1.45	0.60
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.60
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.60
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.60
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.60
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.60
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.60
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.60
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.60
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.60
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.60
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.60
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.60
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.60
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.60
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.60
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.60
1:C:60:ILE:O	1:C:60:ILE:CG1	2.49	0.60
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.60
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.60
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.60
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.60
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.60
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.60
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.81	0.60
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.66	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.60
1:C:415:ASN:O	1:C:419:VAL:HG13	2.01	0.60
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.60
1:C:479:TYR:CE1	1:C:523:ILE:HG13	2.35	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.60
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.60
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.60
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.60
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.60
2:Y:134:VAL:HG12	2:Y:139:PHE:HD1	1.62	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.60
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.60
1:C:297:ASN:HD22	1:C:298:ASP:N	1.90	0.60
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.60
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.60
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.60
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.60
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.60
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.60
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.60
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
1:C:800:LYS:CG	1:C:803:ASP:CG	2.34	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.60
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.60
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.60
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.60
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.60
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.60
1:C:451:LYS:NZ	3:Z:142:GLU:CD	2.56	0.60
1:C:452:ARG:CG	3:Z:94:ASP:OD1	2.42	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.60
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.60
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.60
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
1:C:504:GLY:HA2	1:C:760:VAL:H	1.59	0.60
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.60
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.60
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.60
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.60
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.60
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.60
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.63	0.60
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.60
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.60
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.60
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.60
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.60
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.60
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.60
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:147:GLU:CG	1:C:774:ARG:HH21	2.14	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.60
2:Y:29:VAL:CG1	2:Y:43:ILE:HG22	2.31	0.60
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.60
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.60
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.60
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.60
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.60
1:C:799:LYS:O	1:C:803:ASP:N	2.35	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:801:LEU:HD22	3:Z:21:TRP:CZ3	2.37	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.60
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.60
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.60
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.60
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.60
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.60
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.60
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.60
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.60
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.60
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.60
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.60
2:Y:40:ILE:HA	2:Y:43:ILE:HD11	1.82	0.60
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.60
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.60
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.64	0.60
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.60
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.60
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.60
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.60
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.60
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.60
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:800:LYS:HA	1:C:804:GLN:H	1.67	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.60
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:314:GLN:H	1:C:314:GLN:CD	2.10	0.60
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:314:GLN:H	1:C:314:GLN:CD	2.10	0.60
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.60
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.60
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.60
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.60
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.60
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.60
1:C:389:ILE:HD12	1:C:390:ASN:N	2.15	0.60
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.62	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.60
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.67	0.60
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:314:GLN:H	1:C:314:GLN:CD	2.10	0.60
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.60
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.60
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.60
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.60
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.60
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.60
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.60
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.60
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.60
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.64	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.12	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.60
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.60
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.60
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.60
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.60
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.60
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:314:GLN:H	1:C:314:GLN:CD	2.10	0.60
1:C:426:LEU:HD11	1:C:606:VAL:HG21	1.81	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:507:TRP:HB2	1:C:763:LYS:CB	2.31	0.60
1:C:507:TRP:CH2	1:C:706:GLY:C	2.80	0.60
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.60
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.60
1:C:772:GLU:O	1:C:776:GLU:HG2	2.01	0.60
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.60
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.60
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.60
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.60
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.67	0.60
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.60
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.60
1:C:504:GLY:O	1:C:756:GLY:N	2.23	0.60
1:C:577:HIS:ND1	1:C:590:SER:HA	2.16	0.60
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.60
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.60
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.60
1:C:24:GLN:O	1:C:24:GLN:OE1	2.15	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.60
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.60
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.60
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.60
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.60
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.60
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.60
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.60
1:C:449:LYS:O	3:Z:100:PHE:CG	2.41	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:24:GLN:O	1:C:24:GLN:OE1	2.15	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.60
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.60
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.60
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.60
1:C:24:GLN:O	1:C:24:GLN:OE1	2.15	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.60
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.60
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.60
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.60
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.60
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.19	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.60
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.60
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.60
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.60
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.60
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.60
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.60
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.60
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.60
1:C:582:HIS:CD2	1:C:583:TYR:N	2.69	0.60
1:C:587:VAL:CG2	1:C:589:TYR:CZ	2.71	0.60
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.60
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.60
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.60
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.60
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.60
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.60
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.60
1:C:507:TRP:CZ3	1:C:707:PHE:HE1	1.83	0.60
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.60
1:C:24:GLN:O	1:C:24:GLN:OE1	2.15	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.60
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.60
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.60
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.60
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.75	0.60
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.60
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.97	0.60
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.60
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.60
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.60
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.60
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.60
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.60
1:C:24:GLN:O	1:C:24:GLN:OE1	2.15	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.60
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.60
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.60
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.60
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.60
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.60
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.60
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.60
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.60
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.60
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.19	0.60
1:C:24:GLN:O	1:C:24:GLN:OE1	2.15	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:262:ILE:O	1:C:262:ILE:HG12	1.99	0.60
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.60
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.60
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.60
1:C:773:MET:HA	1:C:776:GLU:HB2	1.81	0.60
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.60
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.60
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.60
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.60
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.60
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.60
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.60
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.60
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.60
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.63	0.60
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.66	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.60
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.60
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.60
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.60
1:C:163:MET:SD	1:C:170:GLN:CG	2.90	0.60
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.60
1:C:824:TRP:CD1	2:Y:79:LYS:NZ	2.62	0.60
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.60
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.60
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.60
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.60
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.60
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.60
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.67	0.60
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.60
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.60
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.60
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.60
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.01	0.60
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.83	0.60
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.60
1:C:523:ILE:HD12	1:C:523:ILE:C	2.25	0.60
1:C:599:LYS:O	1:C:599:LYS:HG2	2.00	0.60
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.60
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.60
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.60
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.60
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.60
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.60
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.60
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.60
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.60
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.60
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.60
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.60
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.60
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.60
1:C:799:LYS:O	1:C:801:LEU:N	2.34	0.60
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.60
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.60
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.60
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.60
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.60
1:C:707:PHE:CD2	1:C:763:LYS:HA	2.35	0.60
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.60
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.60
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:340:PHE:CE1	1:C:441:ARG:HD2	2.35	0.60
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.60
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.60
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.60
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.60
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.60
1:C:293:ILE:CG2	1:C:328:PHE:HE2	2.13	0.60
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.60
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.97	0.60
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.60
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.01	0.60
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.60
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.60
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.60
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.60
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.60
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.60
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.60
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.60
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.60
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.60
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.60
1:C:643:GLN:HE21	1:C:648:VAL:HB	1.65	0.60
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.60
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.60
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.60
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.60
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.60
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.60
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.60
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.60
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.60
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.47	0.59
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.59
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.59
1:C:365:GLN:H	1:C:365:GLN:CD	2.09	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.59
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.59
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.59
2:Y:98:GLU:N	2:Y:98:GLU:OE1	2.34	0.59
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.59
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.59
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.59
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.47	0.59
1:C:168:GLU:CB	1:C:715:GLU:O	2.47	0.59
1:C:448:THR:HG21	3:Z:102:SER:OG	2.02	0.59
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.59
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.47	0.59
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.59
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.44	0.59
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.59
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.59
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.59
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.59
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.59
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.19	0.59
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.47	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.59
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.59
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.47	0.59
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.59
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.59
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:500:TYR:O	1:C:761:PHE:O	2.09	0.59
1:C:502:LYS:N	1:C:760:VAL:HA	2.12	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.59
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.47	0.59
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.59
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.47	0.59
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.59
1:C:498:GLU:HA	1:C:756:GLY:CA	2.31	0.59
1:C:499:GLU:CD	1:C:759:LYS:HD2	2.27	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:161:GLN:HE22	1:C:771:GLU:CG	2.14	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.59
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.59
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.59
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.59
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.59
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.59
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.59
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.59
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.59
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.59
2:Y:98:GLU:CG	3:Z:128:LEU:HD21	2.29	0.59
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.59
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.59
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.59
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.59
1:C:503:GLU:CA	1:C:711:LEU:N	2.60	0.59
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.59
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.59
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.59
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59
2:Y:100:GLU:HB3	3:Z:128:LEU:C	2.24	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.59
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.59
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.59
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.59
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.59
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.59
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.59
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.59
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
2:Y:109:ILE:CG1	2:Y:110:LYS:N	2.51	0.59
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.59
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.59
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.59
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.16	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.59
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.59
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.64	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.59
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.59
1:C:500:TYR:CD1	1:C:761:PHE:CB	2.83	0.59
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.59
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.59
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.59
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.59
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.59
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.59
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.59
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.03	0.59
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.59
1:C:163:MET:SD	1:C:170:GLN:CG	2.90	0.59
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.61	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.83	0.59
1:C:258:ALA:HB2	3:Z:95:ARG:NH2	2.17	0.59
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.59
1:C:534:GLU:OE1	1:C:646:SER:HB2	2.00	0.59
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.59
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.59
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.59
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.59
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.59
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.59
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.59
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.17	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.44	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.33	0.59
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.59
1:C:124:ASN:HB3	1:C:180:ALA:O	2.01	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.10	0.59
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.59
1:C:603:ASN:C	1:C:605:ASN:N	2.60	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.59
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.59
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.59
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.24	0.59
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.67	0.59
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:501:LYS:HG3	1:C:753:TYR:CZ	2.37	0.59
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.59
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.59
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.17	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.44	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:501:LYS:CE	1:C:716:PHE:HZ	2.13	0.59
1:C:507:TRP:CZ3	1:C:708:PRO:HD2	2.37	0.59
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.59
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.19	0.59
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:502:LYS:HE2	1:C:757:THR:HG23	1.83	0.59
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.59
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.59
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.17	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.44	0.59
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.59
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.59
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.33	0.59
1:C:82:PHE:CB	1:C:91:MET:SD	2.85	0.59
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.59
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.59
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.17	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.44	0.59
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.59
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.59
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
1:C:800:LYS:O	1:C:801:LEU:HA	2.01	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.59
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.17	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.44	0.59
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.59
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	1.99	0.59
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:503:GLU:CD	1:C:759:LYS:HD3	2.27	0.59
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.17	0.59
1:C:500:TYR:HD1	1:C:754:ARG:CG	2.15	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.44	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.17	0.59
1:C:497:GLN:O	1:C:754:ARG:CB	2.50	0.59
1:C:502:LYS:HA	1:C:713:TYR:CE2	2.37	0.59
1:C:507:TRP:CB	1:C:707:PHE:CZ	2.85	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.44	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.59
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.12	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.66	0.59
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.59
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.59
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.59
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.59
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.59
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.59
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.59
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.59
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.59
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.59
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.59
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.17	0.59
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.59
2:Y:98:GLU:C	3:Z:124:GLU:OE2	2.45	0.59
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.59
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.59
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.59
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.59
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.59
1:C:498:GLU:C	1:C:755:LEU:CA	2.75	0.59
2:Y:99:GLN:OE1	3:Z:125:ILE:HD12	2.02	0.59
2:Y:100:GLU:CD	3:Z:124:GLU:O	2.44	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.59
1:C:507:TRP:HB2	1:C:707:PHE:CD2	2.31	0.59
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.66	0.59
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.59
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.59
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.59
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.59
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.59
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.59
1:C:684:ALA:HA	1:C:687:VAL:HG21	1.82	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.33	0.59
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.59
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.59
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.59
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.59
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.59
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.66	0.59
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.59
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.59
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.59
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.59
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.59
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.19	0.59
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.59
1:C:469:PHE:CE1	1:C:590:SER:CB	2.84	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:503:GLU:CB	1:C:756:GLY:HA2	2.30	0.59
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.59
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.59
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.59
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.59
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.59
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.59
2:Y:144:PHE:CE2	2:Y:148:ILE:HG21	2.36	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.66	0.59
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.59
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.59
2:Y:104:LEU:CD2	3:Z:124:GLU:OE1	2.50	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.59
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.59
3:Z:69:LEU:HB2	3:Z:70:PRO:HD3	1.82	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.59
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.59
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.27	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.59
1:C:186:THR:HG21	1:C:460:ASP:HB3	1.83	0.59
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.59
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.75	0.59
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.59
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.59
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.59
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
1:C:800:LYS:O	1:C:801:LEU:HA	2.02	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.59
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.59
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.59
1:C:358:MET:HE2	1:C:423:VAL:CA	2.31	0.59
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.59
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.59
1:C:497:GLN:N	1:C:710:ARG:NH2	2.50	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.59
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.59
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.59
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.59
1:C:501:LYS:N	1:C:761:PHE:C	2.46	0.59
1:C:771:GLU:OE1	1:C:775:ASP:CG	2.45	0.59
1:C:800:LYS:HE3	1:C:804:GLN:HB2	1.83	0.59
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.59
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.59
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.59
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.59
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.59
1:C:358:MET:HE2	1:C:423:VAL:CA	2.31	0.59
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.59
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.59
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.59
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.09	0.59
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.59
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.59
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.59
2:Y:96:PHE:CD2	2:Y:104:LEU:CD2	2.80	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.59
1:C:358:MET:HE2	1:C:423:VAL:CA	2.31	0.59
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.59
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.59
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.59
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.59
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.59
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.59
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.59
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.59
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.59
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.59
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.59
1:C:578:PHE:CZ	1:C:589:TYR:CB	2.83	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.59
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.59
1:C:32:LYS:HG3	1:C:48:ILE:HD13	1.83	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.59
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.59
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.70	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.59
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.59
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.59
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.16	0.59
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.59
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.59
1:C:563:THR:HG1	1:C:579:GLU:CD	1.88	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.16	0.59
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.03	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.59
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.59
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.59
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.03	0.59
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.59
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.59
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.59
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.59
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.48	0.59
2:Y:90:ARG:HA	2:Y:141:TYR:CE2	2.29	0.59
1:C:24:GLN:O	1:C:24:GLN:OE1	2.15	0.59
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.59
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.59
1:C:799:LYS:CG	2:Y:95:MET:SD	2.89	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.59
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.59
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.59
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.59
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.59
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.59
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.59
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.59
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.59
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.59
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.83	0.59
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.59
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.67	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.59
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.10	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.33	0.59
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.59
1:C:16:ASP:OD1	1:C:84:LYS:NZ	2.28	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.59
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.59
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.59
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.59
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.59
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.59
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.59
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.59
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.59
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
1:C:701:ARG:HG3	1:C:705:LYS:NZ	2.16	0.59
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:101:THR:OG1	3:Z:123:ASP:C	2.45	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
3:Z:93:PHE:HZ	3:Z:105:GLU:CD	2.08	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.59
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.59
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.59
1:C:832:LYS:HZ3	2:Y:48:GLY:N	1.97	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.59
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.59
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.59
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.59
1:C:285:PHE:HZ	1:C:309:TYR:HB2	1.65	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.20	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.59
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.82	0.59
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:595:LEU:CD2	1:C:596:GLU:OE1	2.49	0.59
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.59
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.59
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.59
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:121:ASP:O	3:Z:125:ILE:HD13	2.01	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.59
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.59
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.59
1:C:160:TYR:CD2	1:C:775:ASP:OD1	2.54	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.59
1:C:495:LEU:CA	1:C:755:LEU:H	2.10	0.59
1:C:507:TRP:CA	1:C:764:ALA:O	2.09	0.59
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.59
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.59
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.59
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.59
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.59
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.59
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.59
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.59
1:C:746:LEU:CG	1:C:777:ARG:NH2	2.65	0.59
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.59
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.59
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.59
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.59
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.59
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.59
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.59
2:Y:20:MET:HE1	2:Y:76:PHE:CG	2.36	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.59
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.59
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.59
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.59
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.12	0.59
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.59
1:C:129:LEU:HD13	1:C:129:LEU:C	2.06	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59
1:C:800:LYS:HA	1:C:803:ASP:OD2	1.94	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.59
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.59
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.59
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
1:C:231:ASN:HD21	1:C:241:SER:HA	1.61	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.59
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.59
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.59
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.59
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.59
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.33	0.59
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.59
1:C:131:ILE:O	1:C:131:ILE:CG1	2.49	0.59
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.30	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.33	0.59
3:Z:31:PHE:HD1	3:Z:55:THR:O	1.83	0.59
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.59
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.09	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.59
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.59
1:C:43:PHE:CE1	1:C:688:LEU:HD12	2.36	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.59
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.59
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.12	0.59
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.59
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.59
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.59
1:C:140:TYR:CE1	1:C:141:ARG:HA	2.36	0.59
1:C:358:MET:HE2	1:C:423:VAL:CA	2.31	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:505:ILE:CB	1:C:761:PHE:N	2.39	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.59
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.59
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
1:C:523:ILE:HD12	1:C:523:ILE:C	2.25	0.59
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.59
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.59
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.59
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.59
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.59
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.59
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.59
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.59
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.35	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.59
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.59
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.33	0.59
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.59
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.59
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
2:Y:129:PHE:CG	2:Y:129:PHE:O	2.56	0.59
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.59
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.59
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.59
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.68	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.59
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:501:LYS:HZ3	1:C:750:PRO:N	1.24	0.59
1:C:510:ILE:HG23	1:C:763:LYS:HE2	1.80	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.59
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.59
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.59
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.59
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
2:Y:129:PHE:CG	2:Y:129:PHE:O	2.56	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.59
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.59
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.59
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.59
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.59
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.59
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.59
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.59
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.59
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.59
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.59
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.59
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.59
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.59
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.59
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:502:LYS:CA	1:C:713:TYR:HH	1.84	0.59
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.59
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.59
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.59
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:507:TRP:CZ3	1:C:707:PHE:CE1	2.90	0.59
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.59
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.59
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.59
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.59
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.59
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:253:PRO:HB2	3:Z:105:GLU:CB	2.26	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59
1:C:817:LYS:O	1:C:820:VAL:HG22	2.01	0.59
2:Y:135:GLU:N	2:Y:135:GLU:OE1	2.34	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.03	0.59
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.59
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.59
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.59
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.59
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.03	0.59
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.59
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.59
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.59
1:C:24:GLN:O	1:C:24:GLN:OE1	2.14	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.59
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.59
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.59
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.59
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.59
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:121:ASP:O	3:Z:124:GLU:HB2	2.01	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.59
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.59
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
2:Y:105:ASN:CA	3:Z:120:GLU:HG3	2.30	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.27	0.59
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.59
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.59
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.59
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.59
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.59
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.59
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.59
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.59
1:C:138:ALA:HB3	3:Z:113:LEU:CG	2.32	0.59
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.59
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.59
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.85	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.59
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.59
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.59
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.59
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.59
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.35	0.59
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.59
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:228:ALA:C	1:C:284:ILE:HD11	2.22	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.59
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.59
1:C:807:GLY:O	1:C:811:ILE:HG23	2.01	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.15	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.59
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.83	0.59
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.59
1:C:799:LYS:CG	1:C:803:ASP:CG	2.72	0.59
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.59
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.59
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.59
2:Y:85:SER:HG	2:Y:88:THR:H	1.47	0.59
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.03	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.59
1:C:365:GLN:CG	1:C:366:ARG:N	2.48	0.59
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.59
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.59
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.59
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.59
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.65	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.03	0.59
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.59
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.59
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.59
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.03	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.64	0.59
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.63	0.59
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.59
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:371:GLN:CG	1:C:372:ALA:H	2.15	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:599:LYS:C	1:C:600:ASP:O	2.44	0.59
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.59
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.59
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.59
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.59
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.59
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.75	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.44	0.59
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.59
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.00	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.64	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.44	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.44	0.59
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.64	0.59
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.17	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.59
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.59
1:C:811:ILE:HG13	1:C:812:GLN:H	1.63	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.64	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:505:ILE:HD13	1:C:766:VAL:HG23	1.84	0.59
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.44	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.59
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.59
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.59
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.64	0.59
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.59
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.59
2:Y:129:PHE:CG	2:Y:129:PHE:O	2.56	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.44	0.59
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.64	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:802:GLN:HE22	3:Z:17:LEU:HA	1.66	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.64	0.59
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.59
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.59
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:522:LEU:HD12	1:C:561:MET:CB	2.23	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.44	0.59
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.59
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.59
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.59
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.59
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.59
1:C:124:ASN:ND2	1:C:124:ASN:O	2.35	0.59
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.59
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.33	0.59
2:Y:98:GLU:O	3:Z:124:GLU:OE2	2.20	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.03	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.27	0.59
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.59
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.59
1:C:497:GLN:HB3	1:C:754:ARG:CZ	1.71	0.59
1:C:498:GLU:N	1:C:754:ARG:HE	2.00	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.59
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.59
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.59
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.59
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.59
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.86	0.59
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.59
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.83	0.59
1:C:335:PHE:HB2	1:C:345:LYS:HZ2	1.64	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:SD	1:C:170:GLN:CG	2.89	0.59
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.33	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.59
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.59
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.59
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.59
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.03	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
1:C:811:ILE:CA	1:C:814:ASN:OD1	2.49	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
1:C:218:GLN:HA	1:C:337:ILE:CD1	2.31	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:163:MET:SD	1:C:170:GLN:CG	2.90	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.59
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.59
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.59
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.59
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.62	0.59
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.59
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.59
1:C:229:TYR:N	1:C:284:ILE:HD11	2.16	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.59
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.66	0.59
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.59
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.59
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.59
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.59
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.59
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.59
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.27	0.59
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.59
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.20	0.59
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.17	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.59
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.59
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.20	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
2:Y:129:PHE:CG	2:Y:129:PHE:O	2.56	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.27	0.59
1:C:503:GLU:CB	1:C:710:ARG:CB	2.38	0.59
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.15	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.27	0.59
1:C:505:ILE:HD12	1:C:767:LEU:HD12	1.85	0.59
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.59
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.59
2:Y:107:GLU:HB2	3:Z:120:GLU:OE2	2.03	0.59
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.17	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.59
1:C:810:VAL:HG23	1:C:811:ILE:HG23	1.82	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.59
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.20	0.59
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.59
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.59
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.59
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.59
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.59
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.59
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.59
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.70	0.59
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.68	0.59
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.27	0.59
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.59
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.59
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.59
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.59
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.59
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.27	0.59
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.59
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.59
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.59
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.27	0.59
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.33	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.59
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.59
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.59
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.59
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.59
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
1:C:124:ASN:OD1	1:C:673:PRO:HD3	1.55	0.59
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.59
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.59
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.59
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.59
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.59
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.59
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.98	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.33	0.59
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.98	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:525:LYS:CG	1:C:526:PRO:HG2	2.21	0.59
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.59
1:C:219:ILE:HG13	1:C:220:ILE:HG23	1.82	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
1:C:603:ASN:C	1:C:605:ASN:H	2.08	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
1:C:811:ILE:CG1	1:C:812:GLN:N	2.64	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
3:Z:29:ASP:OD1	3:Z:31:PHE:HB3	2.01	0.59
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.59
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.59
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.98	0.59
1:C:507:TRP:HZ3	1:C:706:GLY:C	2.10	0.59
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.59
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.59
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.59
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.59
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:726:ASN:HD22	1:C:726:ASN:N	1.95	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.59
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.59
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.59
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.59
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.59
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.59
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.59
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.59
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.59
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.59
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:345:LYS:HE3	1:C:349:PHE:HE2	1.65	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
2:Y:99:GLN:O	3:Z:129:THR:HG23	2.02	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.59
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.98	0.59
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.59
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:338:LEU:CD1	1:C:340:PHE:CE2	2.85	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.20	0.59
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.59
1:C:523:ILE:HD12	1:C:523:ILE:C	2.25	0.59
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.59
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.77	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.59
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.59
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.59
1:C:703:CYS:HA	1:C:708:PRO:HG3	1.84	0.59
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.19	0.59
1:C:500:TYR:HD1	1:C:709:SER:CA	2.10	0.59
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.59
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.65	0.59
1:C:805:ARG:CZ	3:Z:20:PHE:CE2	2.86	0.59
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.59
1:C:498:GLU:O	1:C:761:PHE:HE1	1.86	0.59
1:C:500:TYR:CD1	1:C:761:PHE:CD2	2.64	0.59
1:C:502:LYS:HA	1:C:713:TYR:CE1	2.38	0.59
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.59
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.16	0.59
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.59
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.59
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.59
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.59
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.59
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.59
1:C:502:LYS:HZ3	1:C:757:THR:CG2	1.93	0.59
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.59
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.59
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.59
1:C:167:ARG:CD	1:C:718:GLN:NE2	2.66	0.59
1:C:807:GLY:N	2:Y:95:MET:HE1	2.17	0.59
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.03	0.59
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.59
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.59
1:C:143:LYS:HG2	3:Z:95:ARG:CD	2.32	0.59
1:C:143:LYS:CG	3:Z:95:ARG:NE	2.66	0.59
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.59
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.59
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.20	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.59
1:C:358:MET:HE2	1:C:423:VAL:CA	2.32	0.59
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.59
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.59
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.59
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.59
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.59
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.03	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.59
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
1:C:166:ASP:OD1	1:C:712:ILE:CG2	2.49	0.59
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.66	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.59
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.59
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.59
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.59
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.59
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.59
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.59
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.59
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.59
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.59
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.59
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
1:C:167:ARG:HH22	3:Z:95:ARG:HG3	1.65	0.59
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.59
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
1:C:502:LYS:O	1:C:757:THR:HG23	2.01	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.59
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.59
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.19	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.59
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.59
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.59
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:99:VAL:CG2	1:C:100:LEU:H	2.14	0.59
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.59
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.59
2:Y:116:MET:HE1	3:Z:21:TRP:NE1	2.17	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.85	0.59
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.59
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.59
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.59
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.59
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.84	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.59
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.59
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.59
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.59
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.84	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.75	0.59
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.59
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.59
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.59
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.59
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.59
1:C:275:GLN:NE2	1:C:281:ASN:HA	2.17	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.59
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.59
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.84	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:495:LEU:H	1:C:754:ARG:HH21	1.48	0.59
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.59
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.11	0.59
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.59
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.59
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.84	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.59
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.59
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.59
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.59
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:HE1	3:Z:101:ILE:HD13	1.65	0.59
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.59
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.59
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.59
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.59
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.59
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.84	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.59
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
1:C:799:LYS:O	1:C:803:ASP:CB	2.42	0.59
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.59
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.59
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.59
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.59
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.86	0.59
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.75	0.59
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.84	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.59
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.20	0.59
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.59
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.84	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.59
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:503:GLU:O	1:C:753:TYR:HE1	1.85	0.59
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.59
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.84	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:161:GLN:HE22	1:C:165:THR:HG21	1.62	0.59
1:C:281:ASN:CB	1:C:312:ILE:HD13	2.26	0.59
1:C:723:LEU:HD22	1:C:777:ARG:HE	1.63	0.59
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.59
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.59
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.68	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.59
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.11	0.59
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.59
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.59
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.59
1:C:500:TYR:CA	1:C:761:PHE:CE1	2.83	0.59
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.59
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.59
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.59
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.59
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.59
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
1:C:703:CYS:O	1:C:708:PRO:HG3	2.03	0.59
1:C:802:GLN:HE21	3:Z:17:LEU:HA	1.68	0.59
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.59
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.59
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.59
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.59
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.59
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.59
1:C:781:ILE:CD1	3:Z:89:ALA:HB3	2.28	0.59
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.59
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.59
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.59
1:C:216:GLU:OE1	1:C:216:GLU:N	2.35	0.59
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.59
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.59
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.59
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.59
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.59
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.59
1:C:501:LYS:N	1:C:754:ARG:H	2.01	0.59
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.59
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.59
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.59
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.59
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.59
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.59
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.59
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.59
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.59
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.59
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.59
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.59
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.59
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.03	0.59
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.59
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.59
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.59
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.59
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.59
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.59
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.59
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.67	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.27	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.66	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.59
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.59
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.59
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.13	0.59
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.59
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.59
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.59
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.59
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.59
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.59
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.59
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.59
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.59
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.59
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.59
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.59
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.59
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.59
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.59
2:Y:101:THR:HG21	3:Z:126:ILE:HG23	1.85	0.59
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.59
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.59
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.59
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.59
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.59
1:C:505:ILE:C	1:C:762:PHE:CD2	2.61	0.59
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.59
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.59
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.59
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.59
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.59
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.59
1:C:704:ARG:CB	1:C:764:ALA:CB	2.81	0.59
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.59
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.59
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.59
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.59
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.59
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.59
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.59
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.59
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.59
1:C:410:VAL:HG23	1:C:410:VAL:O	2.01	0.59
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.63	0.59
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.59
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.59
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:454:TYR:H	3:Z:92:THR:C	2.09	0.59
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.59
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.59
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.59
1:C:711:LEU:HD21	1:C:719:ARG:NH2	2.16	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.59
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.59
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.63	0.59
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.59
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.63	0.59
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.59
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.59
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.59
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.59
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.59
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.59
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.59
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.59
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.59
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.59
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.59
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.59
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.59
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.83	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.59
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.59
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.59
3:Z:79:GLU:CD	3:Z:79:GLU:H	2.09	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.59
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.59
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.59
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.63	0.59
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.59
1:C:503:GLU:HG3	1:C:710:ARG:HA	1.84	0.59
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.59
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.59
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.59
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.59
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.59
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.59
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.59
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.59
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.59
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.59
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.59
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.59
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.63	0.59
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.59
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.59
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.59
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.59
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.66	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.59
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.59
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.59
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.59
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.59
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.59
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.59
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.59
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:352:THR:HG22	1:C:434:MET:SD	2.42	0.59
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.63	0.59
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.59
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.59
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.59
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.59
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:163:MET:SD	1:C:455:TYR:O	2.60	0.59
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.59
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.59
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.59
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.59
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.59
1:C:718:GLN:O	3:Z:91:LYS:HB3	2.02	0.59
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.35	0.59
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.59
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.59
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.59
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.59
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.59
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.59
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.59
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.59
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.59
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.59
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.59
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.59
1:C:500:TYR:CE1	1:C:707:PHE:O	2.45	0.59
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.82	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.67	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.59
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:500:TYR:HD1	1:C:709:SER:O	1.86	0.59
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.55	0.59
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.59
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:506:ALA:CB	1:C:762:PHE:CA	2.74	0.59
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.59
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.59
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.59
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.59
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.59
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.59
1:C:148:ILE:CG2	1:C:775:ASP:CG	2.75	0.59
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.59
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.59
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.59
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.59
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.59
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.59
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.59
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.59
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.59
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.59
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.59
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.59
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.59
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.59
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.59
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.59
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.59
1:C:800:LYS:CE	2:Y:95:MET:O	2.51	0.59
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.59
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.59
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.59
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.59
1:C:174:ILE:HG12	1:C:186:THR:HG22	1.82	0.59
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59
1:C:389:ILE:CD1	1:C:394:LEU:CG	2.42	0.59
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.59
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.59
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.59
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.59
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.59
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.59
1:C:503:GLU:HB2	1:C:761:PHE:CE1	2.37	0.59
1:C:798:TYR:C	1:C:802:GLN:CG	2.75	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.59
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.59
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.59
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.59
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.59
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.59
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.59
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.59
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.59
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.59
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.59
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.59
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.59
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.59
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.59
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.59
1:C:280:ARG:HG2	1:C:281:ASN:ND2	2.16	0.59

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.59
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.59
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.59
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.59
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.59
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.59
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.59
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.22	0.59
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.61	0.59
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.59
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.59
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.59
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.59
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.59
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.59
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.59
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.59
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.59
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.59
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.59
1:C:722:ILE:HG12	1:C:722:ILE:O	2.00	0.59
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.59
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.59
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.59
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.58
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.58
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.58
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.58
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.58
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.64	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.58
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.58
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.58
1:C:505:ILE:HA	1:C:760:VAL:C	2.27	0.58
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.58
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.58
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.58
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.58
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.58
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.58
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.58
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.58
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.20	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.58
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:800:LYS:O	1:C:801:LEU:C	2.46	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.58
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.58
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.89	0.58
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.58
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.58
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.58
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:275:GLN:CB	1:C:314:GLN:HE21	2.15	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.58
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58
1:C:371:GLN:CG	1:C:372:ALA:H	2.15	0.58
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.58
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
1:C:796:LYS:HZ1	3:Z:128:LEU:HD22	1.68	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.58
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.58
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.58
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.58
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.58
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.58
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.58
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.58
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.58
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.12	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.58
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.58
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.58
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.58
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.58
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.33	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.58
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.58
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.58
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.58
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.58
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.58
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.58
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.58
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.19	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.58
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.58
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.58
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.58
1:C:437:TRP:CZ3	1:C:620:GLU:CB	2.78	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:603:ASN:C	1:C:605:ASN:N	2.60	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:508:GLU:HG2	1:C:751:ALA:HB3	0.64	0.58
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.58
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:504:GLY:CA	1:C:760:VAL:HG12	2.33	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.58
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.10	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.58
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.58
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.58
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.58
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.58
1:C:144:ARG:CB	1:C:720:TYR:OH	2.35	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.58
1:C:563:THR:HG1	1:C:579:GLU:CD	1.88	0.58
1:C:801:LEU:HD11	3:Z:21:TRP:CD2	2.20	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.58
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.58
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.58
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.58
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.58
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.58
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:503:GLU:HG3	1:C:761:PHE:CZ	2.38	0.58
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.58
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.58
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.58
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.03	0.58
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.58
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.58
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.58
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.58
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.58
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.58
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.58
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.58
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.84	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.58
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.58
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.58
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.58
1:C:801:LEU:HD22	3:Z:21:TRP:CZ3	2.38	0.58
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.58
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.58
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
1:C:143:LYS:CE	1:C:775:ASP:C	2.71	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.58
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.58
1:C:253:PRO:N	1:C:453:ASN:OD1	2.35	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.58
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.27	0.58
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.58
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.58
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.58
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.58
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.66	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.58
1:C:579:GLU:CD	1:C:579:GLU:C	2.61	0.58
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.58
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.58
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.58
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.12	0.58
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.58
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.58
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.58
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.44	0.58
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.67	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:499:GLU:HB2	1:C:710:ARG:CZ	2.32	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.58
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.58
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.58
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.58
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.58
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.58
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.58
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.58
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.58
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.58
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.58
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.58
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:796:LYS:CE	3:Z:128:LEU:CD1	2.80	0.58
1:C:800:LYS:O	1:C:801:LEU:HA	2.02	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.84	0.58
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.58
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.58
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.58
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.58
1:C:503:GLU:HA	1:C:757:THR:H	1.67	0.58
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.58
1:C:503:GLU:OE1	1:C:759:LYS:HB3	2.03	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.37	0.58
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.58
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.58
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.58
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.58
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.58
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.58
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.58
1:C:314:GLN:CD	1:C:314:GLN:H	2.10	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.58
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.58
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.36	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.67	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.58
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.58
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
2:Y:101:THR:CG2	3:Z:120:GLU:OE2	2.50	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.58
1:C:78:ASN:OD1	1:C:93:TYR:HB2	2.02	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.58
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.58
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.34	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:500:TYR:CA	1:C:761:PHE:CZ	2.86	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:800:LYS:O	1:C:801:LEU:O	2.19	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.58
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.58
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.58
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.58
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.58
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.58
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.58
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.58
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.58
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.58
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.58
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.58
3:Z:49:VAL:HG23	3:Z:50:PHE:H	1.65	0.58
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.58
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.04	0.58
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.58
1:C:577:HIS:ND1	1:C:590:SER:HA	2.17	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.58
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.58
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.58
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.58
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.58
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.58
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:249:ILE:O	1:C:249:ILE:HD12	2.02	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:138:LYS:HE2	3:Z:123:ASP:HB3	0.59	0.58
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.58
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.58
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:694:ASN:HD22	1:C:694:ASN:N	1.96	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.58
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.66	0.58
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.58
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.58
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.58
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.99	0.58
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58
1:C:254:THR:CG2	1:C:782:ILE:HG23	2.32	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.58
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.66	0.58
1:C:501:LYS:HE3	1:C:716:PHE:CE1	2.33	0.58
1:C:502:LYS:HB2	1:C:760:VAL:O	2.03	0.58
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.58
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.66	0.58
1:C:507:TRP:CD2	1:C:763:LYS:HA	2.36	0.58
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.58
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.58
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.58
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.58
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.98	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.58
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.99	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.58
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.58
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.58
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58
1:C:506:ALA:HB3	1:C:753:TYR:O	2.03	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.58
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.66	0.58
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.58
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.58
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.58
1:C:144:ARG:NH2	1:C:147:GLU:OE1	2.33	0.58
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.58
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.58
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.58
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.66	0.58
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.58
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:117:GLY:HA2	3:Z:21:TRP:O	2.03	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
3:Z:16:GLU:C	3:Z:19:ASP:OD1	2.45	0.58
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.58
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.58
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.66	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.58
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.58
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.58
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.58
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.58
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.03	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.58
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.58
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.58
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.58
1:C:275:GLN:HB2	1:C:314:GLN:HE21	1.67	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.58
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.58
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.58
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.58
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.58
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.58
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.58
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.58
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.58
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.58
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.58
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.58
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.58
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.58
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.58
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.03	0.58
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.58
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.58
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.58
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.58
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.58
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.58
1:C:794:ILE:CG1	1:C:795:ARG:H	1.89	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.58
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
2:Y:85:SER:HG	2:Y:88:THR:H	1.48	0.58
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.58
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.58
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.58
1:C:337:ILE:HG13	1:C:338:LEU:N	2.16	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.58
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.20	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.37	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.44	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.58
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.58
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.37	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.58
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.58
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.58
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.58
1:C:800:LYS:NZ	1:C:804:GLN:HG2	2.04	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CD2	2.55	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.58
1:C:500:TYR:HE1	1:C:707:PHE:HB2	1.68	0.58
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.58
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.37	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.44	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.58
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.58
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.58
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:498:GLU:N	1:C:761:PHE:HB2	2.17	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.37	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.44	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.58
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.58
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.58
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
1:C:146:THR:HG21	1:C:768:GLY:HA2	0.60	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.58
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.58
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.58
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.37	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.44	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.58
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.58
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.58
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.58
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.58
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
1:C:371:GLN:CG	1:C:372:ALA:H	2.15	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.11	0.58
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.37	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.44	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.58
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.58
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.58
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.58
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.12	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.58
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.37	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.44	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.58
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.58
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
1:C:800:LYS:O	1:C:803:ASP:OD1	2.22	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:141:ARG:NH2	1:C:196:VAL:O	2.37	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.44	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.58
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.58
1:C:503:GLU:OE1	1:C:760:VAL:HG21	2.03	0.58
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.58
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.58
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.58
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.58
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.58
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.58
1:C:799:LYS:CG	1:C:803:ASP:CB	2.27	0.58
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.58
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.30	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.58
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.58
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.58
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.19	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
3:Z:79:GLU:N	3:Z:79:GLU:OE1	2.34	0.58
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.58
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.58
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.58
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.58
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:502:LYS:HE3	1:C:756:GLY:O	1.94	0.58
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.58
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.58
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.58
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.58
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.58
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.58
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:500:TYR:HB3	1:C:754:ARG:HG2	1.73	0.58
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.58
2:Y:105:ASN:ND2	3:Z:120:GLU:H	1.90	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
1:C:811:ILE:HD12	1:C:811:ILE:C	2.27	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.58
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.58
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.03	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:703:CYS:HB2	1:C:764:ALA:HB1	1.84	0.58
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.58
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.58
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.58
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.58
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.03	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.67	0.58
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.58
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.58
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.58
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.58
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.58
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.58
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.58
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.58
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.03	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.37	0.58
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.58
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.82	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.67	0.58
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.58
2:Y:138:LYS:HD3	3:Z:126:ILE:CD1	2.29	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.58
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.58
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.58
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.58
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.58
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.58
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.12	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.58
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.58
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.58
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.58
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.58
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.58
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.58
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.58
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.58
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.17	0.58
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.58
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
2:Y:85:SER:HG	2:Y:88:THR:H	1.48	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
3:Z:134:ASP:OD2	3:Z:138:ASN:OD1	2.20	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.58
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.58
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.58
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.17	0.58
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.58
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.58
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.17	0.58
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.09	0.58
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.58
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.58
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.58
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.58
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.58
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.69	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.58
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.58
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.58
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.17	0.58
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.58
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.58
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.58
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.58
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.58
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.58
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:507:TRP:CZ3	1:C:707:PHE:HE1	1.99	0.58
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.58
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.58
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.58
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.17	0.58
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.58
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.75	0.58
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.58
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.58
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.17	0.58
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.58
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.75	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.58
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.58
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.58
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.58
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.58
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.58
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.58
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.58
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.58
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.64	0.58
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.58
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:503:GLU:HG3	1:C:710:ARG:HB3	1.85	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
2:Y:101:THR:CB	3:Z:120:GLU:O	2.50	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.64	0.58
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.58
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.58
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.58
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.58
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:800:LYS:C	1:C:804:GLN:HB2	2.28	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.58
1:C:501:LYS:HA	1:C:755:LEU:HB2	1.85	0.58
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.64	0.58
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:722:ILE:O	1:C:722:ILE:HG12	2.00	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:285:PHE:CE2	1:C:312:ILE:HG23	2.19	0.58
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.58
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.58
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.17	0.58
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.58
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.58
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.58
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.58
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:675:GLU:O	1:C:675:GLU:OE1	2.20	0.58
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.58
1:C:113:TYR:CD2	1:C:151:HIS:N	2.71	0.58
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.58
1:C:516:LEU:O	1:C:520:ILE:HD12	2.02	0.58
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.58
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.67	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.58
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.58
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.58
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.58
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.64	0.58
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.58
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:800:LYS:C	1:C:803:ASP:OD1	2.46	0.58
1:C:800:LYS:O	1:C:804:GLN:CB	2.51	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.69	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.58
1:C:500:TYR:O	1:C:505:ILE:CG2	2.41	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.58
1:C:123:VAL:HG23	1:C:123:VAL:O	2.01	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.58
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.58
1:C:801:LEU:CD1	3:Z:17:LEU:CD1	2.80	0.58
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.58
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.66	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.34	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:449:LYS:HE3	3:Z:140:LYS:HE2	1.84	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.58
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.58
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.58
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.66	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:507:TRP:CE3	1:C:764:ALA:N	2.60	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.85	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.02	0.58
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.58
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.58
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.66	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:500:TYR:CD1	1:C:707:PHE:CB	2.86	0.58
1:C:501:LYS:HG3	1:C:760:VAL:HG12	1.85	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.58
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.58
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:510:ILE:CG1	1:C:512:PHE:HE1	2.09	0.58
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.58
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.58
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.66	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:503:GLU:CD	1:C:760:VAL:HG22	2.28	0.58
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.62	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.58
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.58
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.66	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:503:GLU:OE1	1:C:712:ILE:N	2.35	0.58
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.68	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
3:Z:31:PHE:CD1	3:Z:55:THR:O	2.55	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.58
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:498:GLU:C	1:C:759:LYS:O	2.46	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.58
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.58
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.66	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:451:LYS:HE2	3:Z:100:PHE:HZ	1.69	0.58
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.58
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.69	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.58
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:148:ILE:CG2	3:Z:95:ARG:CD	2.54	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
1:C:725:PRO:HB2	3:Z:85:ASP:OD2	2.04	0.58
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.58
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.58
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.58
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.58
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.58
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.58
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.58
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.58
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.58
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.58
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.58
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.58
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.58
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.58
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.58
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.58
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.58
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.58
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.58
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.58
1:C:800:LYS:CD	1:C:804:GLN:CB	2.64	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.58
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.58
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
1:C:328:PHE:CD2	1:C:332:ASP:OD2	2.55	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.69	0.58
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.58
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.58
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:365:GLN:CG	1:C:366:ARG:N	2.48	0.58
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.58
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.58
1:C:389:ILE:HD13	1:C:394:LEU:HG	1.71	0.58
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.58
1:C:24:GLN:O	1:C:24:GLN:NE2	2.36	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.58
1:C:703:CYS:HA	1:C:708:PRO:CG	2.32	0.58
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.58
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.58
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.58
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.91	0.58
1:C:165:THR:HB	1:C:715:GLU:C	2.28	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.58
1:C:709:SER:C	1:C:710:ARG:HA	2.25	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
2:Y:107:GLU:CD	3:Z:120:GLU:OE2	2.47	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.58
1:C:223:ASN:HB2	1:C:224:PRO:HD3	1.84	0.58
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.58
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.58
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.58
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:234:THR:HG1	1:C:240:SER:HG	1.50	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:508:GLU:N	1:C:763:LYS:CD	2.66	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:738:VAL:HG23	1:C:739:SER:N	2.16	0.58
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.58
1:C:801:LEU:HD21	3:Z:21:TRP:CE3	2.34	0.58
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.58
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.58
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.58
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.58
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.66	0.58
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.58
1:C:503:GLU:CD	1:C:759:LYS:HB2	2.20	0.58
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.68	0.58
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:234:THR:HG1	1:C:240:SER:HG	1.50	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:500:TYR:CD2	1:C:761:PHE:CB	2.58	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:234:THR:HG1	1:C:240:SER:HG	1.50	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:504:GLY:HA2	1:C:760:VAL:N	2.18	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.68	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.58
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.58
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.58
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.68	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.67	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:234:THR:HG1	1:C:240:SER:HG	1.50	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.58
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.58
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.58
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.58
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.58
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.58
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.58
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.58
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:234:THR:HG1	1:C:240:SER:HG	1.50	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.58
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.58
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:234:THR:HG1	1:C:240:SER:HG	1.50	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.58
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.58
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.27	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.04	0.58
1:C:505:ILE:CD1	1:C:754:ARG:HE	2.15	0.58
1:C:675:GLU:O	1:C:675:GLU:OE1	2.20	0.58
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
1:C:802:GLN:HE21	3:Z:17:LEU:HD12	1.68	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.58
1:C:113:TYR:HE1	1:C:120:CYS:HB2	1.61	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.04	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.67	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.67	0.58
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.58
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.58
1:C:505:ILE:CD1	1:C:767:LEU:CG	2.80	0.58
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.58
2:Y:100:GLU:HB3	3:Z:128:LEU:HB2	1.85	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.58
1:C:792:TYR:CZ	2:Y:98:GLU:HG3	2.38	0.58
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.58
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.58
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.32	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:242:ARG:HD2	1:C:268:GLU:OE2	2.02	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.58
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.04	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:223:ASN:N	1:C:224:PRO:CD	2.67	0.58
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.58
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.58
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.58
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.58
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.58
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.58
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.33	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.58
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.58
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.58
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.58
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.58
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.58
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.58
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.04	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.58
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.58
1:C:161:GLN:C	1:C:719:ARG:HD3	2.28	0.58
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.58
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.85	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:505:ILE:CG1	1:C:761:PHE:O	2.52	0.58
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.58
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.58
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.58
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.58
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.58
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
2:Y:116:MET:HE1	3:Z:21:TRP:CD1	2.38	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.58
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.58
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.58
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.58
2:Y:85:SER:HG	2:Y:88:THR:H	1.51	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:505:ILE:HG12	1:C:708:PRO:C	2.27	0.58
1:C:508:GLU:OE1	1:C:752:GLU:CG	2.51	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.34	0.58
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.58
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:675:GLU:O	1:C:675:GLU:OE1	2.20	0.58
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.58
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.58
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.58
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.58
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.44	0.58
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.64	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.58
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:503:GLU:HB3	1:C:756:GLY:CA	2.34	0.58
1:C:503:GLU:HG3	1:C:761:PHE:CZ	2.39	0.58
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.58
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.58
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:505:ILE:N	1:C:762:PHE:CG	2.67	0.58
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.58
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.58
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.58
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.58
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.58
1:C:800:LYS:HG3	1:C:804:GLN:HG3	1.85	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:81:LYS:HZ3	1:C:772:GLU:HG3	1.57	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.58
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.58
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.58
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.58
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.58
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.58
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:675:GLU:O	1:C:675:GLU:OE1	2.20	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.16	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.58
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.58
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.58
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.58
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.58
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.58
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.58
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.58
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.58
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.58
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.69	0.58
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.58
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.58
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.58
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.58
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.58
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.58
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.58
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.58
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.58
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.58
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.58
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.58
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.58
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.58
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.58
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.58
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.58
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.58
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.58
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.69	0.58
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.58
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.58
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.43	0.58
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.58
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:143:LYS:C	1:C:774:ARG:HE	2.08	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.58
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.58
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.58
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.58
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.58
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.58
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.58
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.58
1:C:798:TYR:O	1:C:801:LEU:N	2.37	0.58
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.58
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.58
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.58
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.58
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.58
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.58
1:C:786:GLN:OE1	1:C:790:ARG:NE	2.34	0.58
3:Z:83:PHE:CD2	3:Z:87:MET:HG3	2.37	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:243:PHE:CG	1:C:267:LEU:HD21	2.37	0.58
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.58
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.58
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.58
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.58
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.58
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.58
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.58
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.58
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.58
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.58
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:170:GLN:HE21	1:C:774:ARG:NH1	2.00	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.58
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.58
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.58
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.58
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.58
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.58
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.58
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.58
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.58
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.58
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.58
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.58
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.58
1:C:832:LYS:HE3	2:Y:47:LEU:CG	2.31	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.16	0.58
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.58
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.58
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.58
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.58
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.58
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.58
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.58
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.58
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.58
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.75	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.58
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.58
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.58
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.58
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.58
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.58
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.58
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.58
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.58
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.58
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.58
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.58
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.16	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.58
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.67	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.58
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.58
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.58
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.58
1:C:773:MET:CA	1:C:776:GLU:CB	2.78	0.58
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.58
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:502:LYS:CG	1:C:713:TYR:CZ	2.76	0.58
1:C:506:ALA:HB2	1:C:767:LEU:N	2.18	0.58
1:C:507:TRP:N	1:C:763:LYS:HB3	2.15	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.58
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.58
1:C:792:TYR:HH	3:Z:125:ILE:HG22	1.69	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.58
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.16	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.58
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.11	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.58
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.58
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
1:C:603:ASN:C	1:C:605:ASN:N	2.60	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.17	0.58
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.58
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.58
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.58
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.58
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.58
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.58
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.58
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.16	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.58
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.58
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:89:ILE:HD11	2:Y:145:THR:CG2	2.33	0.58
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.58
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.58
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.58
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.17	0.58
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.58
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.62	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.58
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.58
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.58
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.58
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.58
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.58
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.58
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.16	0.58
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.83	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.58
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.58
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.58
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.58
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.58
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.58
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.58
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.58
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.58
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.47	0.58
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.44	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.58
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.58
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.58
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.58
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.58
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.58
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.58
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.58
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.58
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.34	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.58
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.58
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.58
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.58
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.58
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.58
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.58
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.58
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.58
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.30	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.19	0.58
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.58
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.87	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.58
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.58
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.58
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.58
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.58
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.58
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:507:TRP:HE3	1:C:707:PHE:CD1	2.08	0.58
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.58
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.58
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.58
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.58
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.58
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.58
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.58
1:C:810:VAL:HG21	2:Y:92:ALA:HB2	1.74	0.58
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.58
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.58
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.58
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.58
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:496:GLU:HA	1:C:710:ARG:NE	2.19	0.58
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.58
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.58
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.58
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.58
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.58
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.58
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.58
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.58
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.58
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.58
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.58
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.58
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.58
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.58
1:C:715:GLU:HA	3:Z:91:LYS:NZ	2.17	0.58
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.58
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.58
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.58
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.58
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.58
1:C:275:GLN:CB	1:C:279:GLU:OE1	2.38	0.58
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.58
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.58
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.58
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:177:GLU:OE1	1:C:180:ALA:HB2	2.03	0.58
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.17	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.58
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:216:GLU:O	1:C:219:ILE:HG13	2.04	0.58
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.58
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.58
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.58
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.67	0.58
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.58
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.58
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.58
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.58
3:Z:106:LEU:HD12	3:Z:139:VAL:HG21	1.84	0.58
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.58
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.58
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.58
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.58
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.58
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.58
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.58
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.58
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.58
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.58
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.58
2:Y:126:ARG:C	2:Y:130:LYS:HE2	2.28	0.58
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.58
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.58
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.58
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.58
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.58
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.58
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.58
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.58
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.58
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.58
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.58
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.58
1:C:504:GLY:O	1:C:760:VAL:CB	2.45	0.58
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.58
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.58
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.58
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.58
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.58
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.58
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.58
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.58
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.58
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.58
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.58
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.58
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.58
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.58
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.58
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.58
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.58
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.58
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.58
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.58
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.58
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.58
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.58

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.58
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.58
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.58
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.58
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.58
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.58
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.58
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.58
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.58
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.58
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.58
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.58
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.58
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.58
1:C:219:ILE:CD1	1:C:220:ILE:N	2.66	0.58
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.58
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.58
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.58
1:C:701:ARG:HG3	1:C:705:LYS:HZ2	1.67	0.58
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.58
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.58
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.58
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.58
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.58
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.58
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.58
2:Y:27:ILE:CG1	2:Y:28:ASP:N	2.63	0.58
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.58
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.58
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.58
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.58
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.58
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.58
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.57
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.57
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.57
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.57
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.57
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.57
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.57
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.57
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:356:LEU:CD1	1:C:356:LEU:N	2.66	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.57
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.57
1:C:507:TRP:C	1:C:766:VAL:HG11	2.28	0.57
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.57
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.75	0.57
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.57
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:454:TYR:HE1	3:Z:92:THR:HG21	1.63	0.57
1:C:661:TYR:OH	1:C:759:LYS:CE	2.51	0.57
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.57
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.57
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.57
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.57
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.57
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.57
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.57
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:141:ARG:NH2	1:C:196:VAL:O	2.37	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.57
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.57
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.57
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.57
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.57
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:141:ARG:NH2	1:C:196:VAL:O	2.37	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.57
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.57
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.30	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.57
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.57
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.57
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.57
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.57
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.57
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.57
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.34	0.57
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.57
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.57
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.68	0.57
1:C:615:GLU:OE1	1:C:617:LEU:N	2.23	0.57
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.82	0.57
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.57
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.57
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.57
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.82	0.57
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
3:Z:126:ILE:HG13	3:Z:127:LYS:H	1.59	0.57
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.57
3:Z:18:PHE:O	3:Z:22:ASP:OD1	2.20	0.57
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:535:GLU:O	1:C:539:PHE:CE1	2.56	0.57
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.57
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.57
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.57
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.57
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.04	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.57
3:Z:87:MET:HE1	3:Z:142:GLU:CD	2.26	0.57
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.57
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.57
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.57
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.57
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.57
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.57
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.57
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.57
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57
1:C:507:TRP:HB3	1:C:753:TYR:N	2.18	0.57
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.57
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.57
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.57
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.57
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.57
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.57
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.35	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.57
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.57
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.67	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.57
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:818:TRP:CZ2	1:C:822:ARG:NH2	2.71	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.57
1:C:800:LYS:C	1:C:801:LEU:N	2.62	0.57
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.67	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.57
3:Z:57:LYS:CG	3:Z:58:MET:N	2.66	0.57
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.57
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.57
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.57
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.57
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.57
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.57
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.65	0.57
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.57
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.57
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.57
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.57
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.57
1:C:193:LEU:CD1	1:C:249:ILE:HG12	2.33	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.57
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.57
1:C:234:THR:HG1	1:C:240:SER:HG	1.50	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:603:ASN:C	1:C:605:ASN:N	2.60	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.57
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.57
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.57
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.57
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.57
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.57
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.57
1:C:675:GLU:O	1:C:675:GLU:OE1	2.20	0.57
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.57
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.57
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.84	0.57
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.57
1:C:279:GLU:HG2	1:C:280:ARG:N	2.19	0.57
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.57
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.57
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.57
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.57
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.57
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.57
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.57
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.12	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.65	0.57
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.57
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.57
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.57
1:C:675:GLU:O	1:C:675:GLU:OE1	2.20	0.57
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.57
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.57
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.57
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.57
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.57
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.57
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.57
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.65	0.57
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.57
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.57
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.57
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.57
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.57
1:C:675:GLU:O	1:C:675:GLU:OE1	2.20	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.57
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.57
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.57
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:187:LYS:O	1:C:190:ILE:HG13	2.03	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
3:Z:18:PHE:HD2	3:Z:28:VAL:CG1	2.16	0.57
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.57
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.57
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.57
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.57
1:C:675:GLU:O	1:C:675:GLU:OE1	2.20	0.57
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.69	0.57
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.57
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.57
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.57
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.57
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.57
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.57
1:C:675:GLU:O	1:C:675:GLU:OE1	2.20	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.57
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.57
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.57
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:805:ARG:HB2	3:Z:21:TRP:CZ3	2.39	0.57
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.57
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.57
1:C:498:GLU:O	1:C:756:GLY:CA	2.52	0.57
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.57
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.57
1:C:675:GLU:O	1:C:675:GLU:OE1	2.20	0.57
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.57
1:C:507:TRP:CA	1:C:754:ARG:HD3	2.35	0.57
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.57
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.57
1:C:675:GLU:O	1:C:675:GLU:OE1	2.20	0.57
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.57
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.57
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.57
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.57
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.17	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.57
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.57
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.57
1:C:722:ILE:HG22	3:Z:88:GLU:HB2	1.85	0.57
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.57
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.57
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.57
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.57
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.57
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.57
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.67	0.57
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.34	0.57
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.57
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.57
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.57
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.57
1:C:141:ARG:CD	3:Z:93:PHE:HD1	2.17	0.57
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.57
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.57
1:C:371:GLN:CD	1:C:371:GLN:C	2.71	0.57
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.57
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.57
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.57
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.57
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.57
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.57
1:C:99:VAL:CG2	1:C:100:LEU:H	2.15	0.57
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.57
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.57
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.38	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:223:ASN:N	1:C:224:PRO:CD	2.67	0.57
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.57
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:341:THR:HG1	1:C:344:GLU:HG2	1.69	0.57
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
1:C:103:LEU:HD21	1:C:121:ILE:HD11	1.84	0.57
1:C:144:ARG:NH1	1:C:723:LEU:HD11	2.19	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.57
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.38	0.57
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.67	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.57
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.57
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.57
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.57
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.57
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.57
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.57
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.57
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.57
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.57
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.57
1:C:503:GLU:CG	1:C:761:PHE:CE1	2.83	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.57
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:495:LEU:H	1:C:754:ARG:CZ	2.11	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.20	0.57
2:Y:106:ILE:C	2:Y:109:ILE:CD1	2.74	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.57
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.57
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.57
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.57
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.65	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.57
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.57
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.40	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.18	0.57
1:C:675:GLU:OE1	1:C:675:GLU:O	2.21	0.57
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:503:GLU:C	1:C:762:PHE:CE1	2.83	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.57
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.57
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.40	0.57
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.57
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.57
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.57
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.57
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.57
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.57
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.34	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.38	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.04	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.57
3:Z:45:ARG:O	3:Z:48:ASP:HB3	2.02	0.57
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.57
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.69	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.57
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.57
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
1:C:800:LYS:C	1:C:801:LEU:C	2.71	0.57
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.57
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.57
1:C:223:ASN:N	1:C:224:PRO:CD	2.67	0.57
1:C:499:GLU:HG3	1:C:710:ARG:CD	2.34	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.57
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.57
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.57
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.57
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.38	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.57
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.57
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.04	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.57
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.57
1:C:156:ALA:C	1:C:192:TYR:HE2	2.11	0.57
1:C:187:LYS:O	1:C:190:ILE:HG13	2.04	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.57
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.57
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.05	0.57
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.57
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.13	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.04	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.57
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.57
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.17	0.57
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.57
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.02	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.57
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.57
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.57
1:C:503:GLU:C	1:C:757:THR:N	2.60	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.57
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.68	0.57
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:814:ASN:C	1:C:814:ASN:HD22	2.10	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.57
1:C:143:LYS:CD	1:C:775:ASP:CA	2.65	0.57
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.04	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.57
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.57
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.57
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.67	0.57
2:Y:138:LYS:CD	3:Z:123:ASP:HA	2.31	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:418:GLN:OE1	1:C:418:GLN:C	2.46	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.57
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.57
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.40	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.57
1:C:179:GLY:HA2	1:C:237:ASN:ND2	2.12	0.57
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.57
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.57
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.57
1:C:505:ILE:C	1:C:754:ARG:HB3	2.21	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.57
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.57
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.57
1:C:523:ILE:HD12	1:C:523:ILE:C	2.25	0.57
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.57
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.69	0.57
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.57
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.57
1:C:523:ILE:HD12	1:C:523:ILE:C	2.25	0.57
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.57
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.57
1:C:523:ILE:HD12	1:C:523:ILE:C	2.25	0.57
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.57
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.57
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.57
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.57
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.57
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.57
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.57
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.57
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.57
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.57
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.57
1:C:505:ILE:N	1:C:755:LEU:HB2	2.10	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.57
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.57
1:C:523:ILE:HD12	1:C:523:ILE:C	2.25	0.57
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.57
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.12	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.57
1:C:675:GLU:OE1	1:C:675:GLU:O	2.20	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.57
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.57
1:C:523:ILE:HD12	1:C:523:ILE:C	2.25	0.57
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.57
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.57
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.57
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.34	0.57
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.57
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.57
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.57
1:C:523:ILE:HD12	1:C:523:ILE:C	2.25	0.57
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.57
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.57
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.57
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
1:C:774:ARG:CD	1:C:778:LEU:HD11	2.34	0.57
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.57
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.13	0.57
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.68	0.57
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.67	0.57
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.57
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.16	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:800:LYS:O	1:C:802:GLN:CA	2.52	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
2:Y:99:GLN:OE1	3:Z:125:ILE:C	2.42	0.57
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.57
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.57
1:C:342:LYS:O	1:C:346:GLN:CG	2.51	0.57
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.57
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.57
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:279:GLU:HG2	1:C:280:ARG:N	2.19	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.57
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.57
1:C:500:TYR:O	1:C:761:PHE:HD1	1.86	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.57
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.13	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.57
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.00	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.57
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.57
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.57
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.57
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.57
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.57
1:C:223:ASN:N	1:C:224:PRO:CD	2.66	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.57
1:C:505:ILE:HG13	1:C:754:ARG:NE	2.14	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.57
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.57
1:C:144:ARG:CB	1:C:774:ARG:HB3	2.35	0.57
1:C:165:THR:CB	1:C:715:GLU:O	2.52	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.57
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:473:GLU:CG	1:C:597:LYS:HZ1	1.98	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.00	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.57
1:C:804:GLN:NE2	1:C:808:LEU:HD11	2.19	0.57
2:Y:100:GLU:N	3:Z:125:ILE:CA	2.45	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.57
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.57
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.57
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.57
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.57
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.57
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.57
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.57
1:C:141:ARG:NH2	1:C:196:VAL:O	2.37	0.57
1:C:172:CYS:SG	1:C:458:VAL:HG22	2.44	0.57
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.57
1:C:816:ARG:O	1:C:820:VAL:HG13	2.03	0.57
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:234:THR:HG1	1:C:240:SER:HG	1.49	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.57
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.57
1:C:507:TRP:HH2	1:C:706:GLY:C	2.01	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.57
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.57
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.57
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.40	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.57
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.57
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.57
1:C:500:TYR:CB	1:C:762:PHE:O	2.48	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.57
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.57
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.57
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.57
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.57
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.57
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.57
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.62	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.57
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.57
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.57
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.57
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.57
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.57
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.57
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.57
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.57
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.57
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.57
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.57
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
1:C:223:ASN:N	1:C:224:PRO:CD	2.67	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.57
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:341:THR:HG1	1:C:344:GLU:HG2	1.70	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.57
1:C:453:ASN:OD1	3:Z:95:ARG:CZ	2.46	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.87	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:794:ILE:CD1	1:C:795:ARG:N	2.66	0.57
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.57
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.57
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.34	0.57
1:C:6:SER:HB3	3:Z:46:ASN:HD21	1.68	0.57
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.57
1:C:143:LYS:HB3	1:C:771:GLU:CD	2.29	0.57
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.57
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.82	0.57
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.38	0.57
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.57
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.57
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.57
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.57
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.57
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.57
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.67	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.57
1:C:311:PHE:CD1	1:C:312:ILE:CG2	2.80	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.57
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.57
1:C:223:ASN:N	1:C:224:PRO:CD	2.67	0.57
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.57
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.57
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.57
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.57
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.57
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.57
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:563:THR:HG1	1:C:579:GLU:CD	1.89	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.57
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.57
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.04	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.57
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.57
2:Y:101:THR:OG1	3:Z:126:ILE:CG1	2.34	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.57
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.57
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.57
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.57
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.57
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.57
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.57
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.57
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.57
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.57
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.38	0.57
3:Z:145:VAL:O	3:Z:148:VAL:HG22	2.02	0.57
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.57
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.13	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.57
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.57
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.57
1:C:353:ALA:HA	1:C:356:LEU:HD13	1.85	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.57
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.57
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.57
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.57
1:C:250:HIS:HB3	3:Z:93:PHE:C	2.30	0.57
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.57
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:508:GLU:HA	1:C:766:VAL:HG13	1.85	0.57
1:C:510:ILE:CG2	1:C:763:LYS:CE	2.83	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.57
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.57
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.57
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.57
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.57
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.57
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.57
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.57
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.57
1:C:746:LEU:HG	1:C:777:ARG:HH22	1.68	0.57
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.57
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:87:ASP:HB3	1:C:90:ASN:ND2	2.18	0.57
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.57
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.57
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.57
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.57
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.57
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.57
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.57
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.57
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.57
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.57
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.57
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.57
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.57
1:C:799:LYS:O	1:C:801:LEU:N	2.36	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.57
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.57
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.57
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.57
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.57
1:C:802:GLN:NE2	3:Z:17:LEU:CG	2.67	0.57
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.57
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.57
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.57
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.57
1:C:505:ILE:HB	1:C:762:PHE:CG	2.39	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.13	0.57
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:563:THR:HG1	1:C:579:GLU:CD	1.89	0.57
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.57
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.57
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
1:C:830:TYR:O	1:C:833:VAL:CG2	2.43	0.57
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.65	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.57
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:505:ILE:HG12	1:C:762:PHE:O	2.02	0.57
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.57
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.57
1:C:799:LYS:O	1:C:802:GLN:HB2	2.03	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
2:Y:103:LYS:N	3:Z:123:ASP:CG	2.63	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.38	0.57
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.57
2:Y:101:THR:CB	3:Z:127:LYS:H	2.14	0.57
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.57
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
2:Y:137:GLY:HA3	3:Z:119:ASP:CG	2.29	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.38	0.57
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.57
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.57
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.57
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.57
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.57
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.57
3:Z:46:ASN:ND2	3:Z:115:GLU:HG3	2.18	0.57
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.57
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:740:GLU:O	1:C:744:ALA:HB2	2.03	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.57
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.57
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.38	0.57
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.57
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.57
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.57
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.51	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.57
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.57
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.57
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.57
1:C:32:LYS:O	1:C:48:ILE:HG23	2.04	0.57
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.57
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:365:GLN:CG	1:C:366:ARG:N	2.48	0.57
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.57
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.57
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.57
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.57
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.57
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.57
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.57
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
1:C:789:ILE:CB	2:Y:99:GLN:OE1	2.37	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:503:GLU:O	1:C:767:LEU:HD21	2.05	0.57
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.57
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.57
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.57
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.57
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.57
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.18	0.57
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.57
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.57
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.82	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.57
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.57
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.57
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.18	0.57
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.57
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.57
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.18	0.57
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.57
1:C:504:GLY:HA2	1:C:760:VAL:CA	2.34	0.57
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.57
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.57
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.57
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.57
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.69	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.57
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.57
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.57
1:C:503:GLU:HG3	1:C:761:PHE:HZ	1.69	0.57
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.52	0.57
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.18	0.57
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.57
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.57
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:475:LEU:CD2	1:C:589:TYR:CZ	2.86	0.57
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.57
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.57
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.18	0.57
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.57
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.57
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.57
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.57
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.18	0.57
1:C:285:PHE:CD1	1:C:356:LEU:CG	2.83	0.57
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.57
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.84	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.57
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.57
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.11	0.57
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.57
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.57
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.57
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.57
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.57
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.57
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.57
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.70	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.57
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.57
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.57
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.57
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.10	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:503:GLU:CD	1:C:759:LYS:HB2	2.26	0.57
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.57
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.57
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.69	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.57
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.69	0.57
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.57
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.57
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.57
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.57
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.57
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
1:C:800:LYS:HG2	1:C:804:GLN:N	2.20	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.57
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.57
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.57
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.57
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.57
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.57
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:801:LEU:CD2	3:Z:21:TRP:CE3	2.82	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.57
3:Z:42:ILE:HD12	3:Z:43:ASN:N	2.18	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.57
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.57
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.57
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.57
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.57
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.57
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.57
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.57
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.57
1:C:507:TRP:CE3	1:C:707:PHE:CE1	2.93	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:500:TYR:CD2	1:C:761:PHE:HD2	2.23	0.57
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.40	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.57
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.57
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.57
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.57
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.57
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.57
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.57
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.57
1:C:506:ALA:O	1:C:754:ARG:CG	2.32	0.57
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.66	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.57
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.57
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.57
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.40	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.57
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.57
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.57
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.57
1:C:808:LEU:HD11	2:Y:112:LEU:HD22	1.84	0.57
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.40	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.57
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.57
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.57
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.40	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.57
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.82	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.82	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
3:Z:16:GLU:O	3:Z:19:ASP:OD1	2.21	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.57
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.57
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:285:PHE:CG	1:C:311:PHE:CE1	2.90	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.57
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.40	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.57
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.34	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.40	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.57
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.40	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.57
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.57
1:C:161:GLN:HE22	1:C:774:ARG:NH2	2.02	0.57
1:C:167:ARG:HH21	3:Z:92:THR:CB	2.03	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.57
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
1:C:504:GLY:CA	1:C:755:LEU:HB3	2.35	0.57
1:C:745:GLY:C	1:C:747:GLN:H	2.11	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.57
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.57
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.57
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.57
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.57
1:C:35:TRP:CH2	1:C:101:TYR:CB	2.78	0.57
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.57
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.57
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.57
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.57
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.09	0.57
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.57
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.57
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.57
1:C:498:GLU:HB3	1:C:756:GLY:H	1.70	0.57
1:C:509:PHE:CB	1:C:751:ALA:HA	2.34	0.57
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.57
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.57
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.57
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.57
2:Y:100:GLU:N	3:Z:124:GLU:O	2.38	0.57
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.57
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.57
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.57
1:C:144:ARG:HB3	1:C:774:ARG:CD	2.24	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.04	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.57
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.57
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.57
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.57
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.57
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
1:C:505:ILE:C	1:C:753:TYR:HD1	2.13	0.57
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.57
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.57
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.57
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.57
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.57
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.57
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.57
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.57
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.57
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:675:GLU:OE1	1:C:676:LEU:CA	2.52	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.57
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.57
1:C:798:TYR:O	1:C:801:LEU:N	2.38	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.57
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.57
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.57
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.57
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.57
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.57
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.57
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.57
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.57
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.57
1:C:131:ILE:HG13	1:C:151:HIS:NE2	2.16	0.57
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.57
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.69	0.57
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.69	0.57
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.57
1:C:802:GLN:CG	3:Z:17:LEU:HD12	2.35	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.57
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.57
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.57
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.57
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.57
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.57
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.57
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.57
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.57
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.57
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.57
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.57
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.57
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.57
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.82	0.57
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.57
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.57
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.57
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.57
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.57
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.57
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.57
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.57
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.57
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.57
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.57
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.57
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.57
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.07	0.57
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.57
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.57
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.57
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.57
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.57
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.57
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:279:GLU:HG2	1:C:280:ARG:N	2.19	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.57
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.57
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.57
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.57
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.57
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.87	0.57
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.57
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.57
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.57
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.57
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.57
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.57
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.57
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.57
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.57
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.57
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.57
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
1:C:721:SER:O	1:C:777:ARG:NH2	2.38	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.57
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.57
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.57
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.57
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.57
2:Y:40:ILE:HA	2:Y:43:ILE:CD1	2.33	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.57
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.57
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.57
1:C:505:ILE:C	1:C:755:LEU:H	2.05	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.57
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.57
1:C:60:ILE:HD12	1:C:62:ALA:N	2.18	0.57
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.57
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.57
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.57
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.57
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.57
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.57
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.57
1:C:138:ALA:CA	3:Z:108:HIS:CD2	2.87	0.57
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.57
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.57
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.57
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.57
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.57
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.57
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.57
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.57
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.57
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.57
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.57
1:C:491:HIS:ND1	1:C:665:PRO:HG2	2.18	0.57
1:C:522:LEU:HD11	1:C:561:MET:HB2	1.78	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.57
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.57
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:505:ILE:HA	1:C:755:LEU:HB2	1.87	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.57
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.57
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.57
1:C:279:GLU:HG2	1:C:280:ARG:N	2.19	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.12	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
1:C:505:ILE:CD1	1:C:766:VAL:N	2.68	0.57
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.57
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.57
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.57
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.57
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.57
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.57
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.57
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.57
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.57
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.57
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.57
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.57
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.57
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.57
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.57
1:C:800:LYS:CG	1:C:804:GLN:CG	2.76	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.38	0.57
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.57
1:C:500:TYR:OH	1:C:707:PHE:O	2.21	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.57
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.57
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:496:GLU:C	1:C:761:PHE:CE2	2.73	0.57
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.57
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.57
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.57
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.57
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.57
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.57
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.57
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:504:GLY:CA	1:C:760:VAL:N	2.65	0.57
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.57
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.57
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.57
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.57
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.57
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.57
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.57
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:129:PHE:O	2:Y:129:PHE:CG	2.56	0.57
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.57
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.57
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.57
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.57
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.57
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.57
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.57
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.57
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.57
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.57
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.57
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.57
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.57
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.57
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.57
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.57
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.57
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.57
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.57
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.57
1:C:808:LEU:HD12	3:Z:21:TRP:CZ2	2.40	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.57
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.57
1:C:832:LYS:HZ3	2:Y:48:GLY:N	2.03	0.57
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.57
2:Y:40:ILE:O	2:Y:43:ILE:CD1	2.52	0.57
1:C:87:ASP:HB3	1:C:90:ASN:HD22	1.68	0.57
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.57
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.57
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.57
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.57
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.57
1:C:177:GLU:OE2	1:C:672:ILE:CD1	2.51	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.57
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.57
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.57
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.57
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.57
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.57
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.57
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.57
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.57
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.57
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.57
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.57
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.57
1:C:477:ILE:O	1:C:480:THR:HB	2.05	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.57
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.57
3:Z:122:VAL:O	3:Z:125:ILE:CD1	2.51	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.57
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.57
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.57
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.57
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.57
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.57
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.68	0.57
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.57
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.57
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:498:GLU:CG	1:C:755:LEU:HB2	2.34	0.57
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.57
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.57
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.57
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.57
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.57
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.57
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.57
1:C:147:GLU:OE1	1:C:770:LEU:O	2.23	0.57
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.57
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.57
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.57
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.57
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.57
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.57
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.57
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.57
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.57
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.57
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.57
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.57
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.57
1:C:124:ASN:OD1	1:C:673:PRO:CG	2.44	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:803:ASP:C	2:Y:95:MET:SD	2.87	0.57
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.57
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.57
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.57
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.57
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.57
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.57
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.57
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.69	0.57
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.57
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.57
1:C:279:GLU:HG2	1:C:280:ARG:N	2.19	0.57
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.57
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.57
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.57
1:C:285:PHE:O	1:C:288:ILE:HG13	2.04	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:506:ALA:O	1:C:507:TRP:HB2	2.03	0.57
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.69	0.57
1:C:24:GLN:O	1:C:24:GLN:NE2	2.36	0.57
1:C:142:GLY:O	1:C:774:ARG:HG2	2.05	0.57
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.57
1:C:242:ARG:O	1:C:267:LEU:HD23	2.04	0.57
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.57
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.57

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.57
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.57
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.57
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.57
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.57
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.57
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.57
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.57
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.57
1:C:216:GLU:O	1:C:219:ILE:HG13	2.03	0.57
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.57
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.57
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.57
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.57
1:C:523:ILE:HD12	1:C:523:ILE:C	2.24	0.57
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.57
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.57
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.57
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.57
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.57
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.56
1:C:505:ILE:HB	1:C:761:PHE:CB	2.29	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.56
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.56
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.56
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.56
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.56
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.56
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.56
1:C:352:THR:CG2	1:C:434:MET:CE	2.80	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.56
1:C:452:ARG:CZ	3:Z:96:GLU:HB3	2.35	0.56
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.56
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.56
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.56
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.70	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.56
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.56
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.56
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.56
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.13	0.56
1:C:801:LEU:HD12	3:Z:17:LEU:CD2	2.33	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.56
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.56
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.56
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.56
2:Y:111:ASP:O	2:Y:115:ASN:ND2	2.37	0.56
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.56
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.56
1:C:801:LEU:HD21	3:Z:21:TRP:CZ3	2.40	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.56
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.56
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.56
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.56
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.56
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.56
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.82	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.56
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.56
1:C:499:GLU:HA	1:C:759:LYS:O	2.05	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.56
1:C:499:GLU:OE2	1:C:710:ARG:HB3	2.05	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.56
1:C:505:ILE:CA	1:C:761:PHE:CD1	2.85	0.56
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.38	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.59	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:254:THR:HG22	3:Z:105:GLU:C	2.23	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.56
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.56
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.56
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.56
1:C:595:LEU:HD13	1:C:596:GLU:H	0.67	0.56
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.56
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:386:LEU:CD1	1:C:386:LEU:N	2.67	0.56
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.56
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.56
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.05	0.56
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.56
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.13	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.56
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.56
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.03	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.38	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.59	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.56
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.62	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.56
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.56
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.38	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.59	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:502:LYS:HE2	1:C:757:THR:HG23	1.87	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.05	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56
2:Y:119:ASN:C	2:Y:119:ASN:HD22	2.12	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.56
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.56
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.56
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:219:ILE:CD1	1:C:220:ILE:N	2.67	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:503:GLU:C	1:C:757:THR:HG23	2.30	0.56
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.56
2:Y:40:ILE:CD1	2:Y:41:LYS:N	2.67	0.56
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.56
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.56
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.82	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.56
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.56
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.56
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.56
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.56
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.56
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.56
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.56
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.56
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.03	0.56
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.56
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.38	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.59	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.56
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.13	0.56
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.56
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:501:LYS:HG2	1:C:760:VAL:HG12	1.87	0.56
1:C:502:LYS:NZ	1:C:756:GLY:HA3	2.19	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.56
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.56
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.56
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.56
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.56
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.56
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.56
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.56
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.56
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.56
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.56
1:C:448:THR:CB	3:Z:102:SER:OG	2.51	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.56
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:494:ILE:CA	1:C:754:ARG:CD	2.79	0.56
1:C:495:LEU:HA	1:C:755:LEU:CA	2.35	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.56
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.70	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.56
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.82	0.56
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.56
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.56
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.56
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.56
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
1:C:785:PHE:HD1	3:Z:86:TYR:CE2	2.21	0.56
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.56
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.56
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.56
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:497:GLN:CG	1:C:754:ARG:HG3	2.32	0.56
1:C:508:GLU:CB	1:C:751:ALA:HA	2.36	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.56
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.56
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.56
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.56
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:223:ASN:N	1:C:224:PRO:CD	2.67	0.56
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.56
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.56
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.56
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.19	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.56
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.56
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.06	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:479:TYR:CZ	1:C:524:GLU:HB2	2.37	0.56
1:C:534:GLU:OE2	1:C:646:SER:HB2	2.03	0.56
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.70	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.56
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.35	0.56
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.56
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.56
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:83:GLU:OE1	1:C:84:LYS:N	2.38	0.56
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.09	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:508:GLU:CD	1:C:751:ALA:HB2	2.00	0.56
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.56
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.06	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:223:ASN:N	1:C:224:PRO:CD	2.67	0.56
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.56
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
1:C:138:ALA:H	3:Z:108:HIS:CD2	2.20	0.56
1:C:166:ASP:N	1:C:715:GLU:HG3	2.19	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.03	0.56
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.70	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.56
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.56
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.56
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.56
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.56
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.56
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.56
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:223:ASN:N	1:C:224:PRO:CD	2.67	0.56
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.56
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.56
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.56
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.56
3:Z:83:PHE:CE2	3:Z:87:MET:CG	2.87	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.56
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.38	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.56
1:C:268:GLU:CG	1:C:271:ARG:H	2.16	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.56
1:C:284:ILE:HG22	1:C:285:PHE:N	2.18	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.03	0.56
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.06	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56
1:C:144:ARG:NH1	1:C:723:LEU:HD13	2.20	0.56
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.56
1:C:258:ALA:CA	3:Z:95:ARG:HH22	2.18	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.82	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.62	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:223:ASN:N	1:C:224:PRO:CD	2.67	0.56
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.56
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.56
1:C:789:ILE:C	2:Y:99:GLN:NE2	2.63	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.56
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:144:ARG:HH22	1:C:719:ARG:HD2	1.64	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:288:ILE:HB	1:C:300:MET:HE1	1.85	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.56
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.56
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.56
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.56
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.56
1:C:356:LEU:CD1	1:C:356:LEU:N	2.67	0.56
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.05	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.56
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.56
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:386:LEU:CD1	1:C:386:LEU:H	2.17	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
1:C:505:ILE:HD13	1:C:761:PHE:HD1	1.70	0.56
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.69	0.56
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.56
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.56
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:162:ASN:ND2	1:C:771:GLU:CB	2.64	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.70	0.56
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.56
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.69	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.56
2:Y:108:TYR:HD2	3:Z:124:GLU:OE2	1.74	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
1:C:498:GLU:OE2	1:C:755:LEU:CD1	2.53	0.56
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.56
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.56
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.56
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.38	0.56
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.56
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.56
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.56
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.86	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.56
1:C:824:TRP:NE1	2:Y:79:LYS:NZ	2.51	0.56
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.56
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.56
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.56
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.56
1:C:275:GLN:HG3	1:C:314:GLN:NE2	2.18	0.56
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.86	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.56
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.56
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
1:C:505:ILE:C	1:C:762:PHE:CD2	2.78	0.56
1:C:507:TRP:HZ3	1:C:706:GLY:C	2.13	0.56
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.56
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.56
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.56
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.56
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.56
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:499:GLU:CD	1:C:759:LYS:CG	2.70	0.56
1:C:505:ILE:CA	1:C:762:PHE:CD2	2.87	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.56
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.56
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:279:GLU:HG2	1:C:280:ARG:N	2.18	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
1:C:503:GLU:O	1:C:756:GLY:CA	2.53	0.56
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.56
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.56
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.56
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.52	0.56
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.70	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.56
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.56
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.56
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.56
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.38	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.56
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.56
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.06	0.56
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.59	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
1:C:774:ARG:CD	1:C:778:LEU:CD1	2.83	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.56
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.56
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.56
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.56
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.56
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.56
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:261:ASP:OD2	1:C:443:ASN:CG	2.47	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
1:C:832:LYS:HZ1	2:Y:48:GLY:N	2.04	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.56
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.05	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
2:Y:98:GLU:C	3:Z:124:GLU:HB3	2.30	0.56
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.56
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.05	0.56
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.56
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.56
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.56
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.56
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.52	0.56
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.56
1:C:267:LEU:CD1	1:C:435:PHE:CD1	2.87	0.56
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.56
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.56
1:C:772:GLU:O	1:C:775:ASP:HB2	2.06	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.56
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.56
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.56
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.56
1:C:341:THR:HG1	1:C:344:GLU:HG2	1.70	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.56
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.56
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.56
1:C:99:VAL:HG23	1:C:691:LEU:CD1	2.34	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.56
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.56
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.52	0.56
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.71	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
3:Z:95:ARG:N	3:Z:96:GLU:OE1	2.37	0.56
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.56
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.05	0.56
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.56
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.56
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.70	0.56
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.56
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.56
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.56
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.56
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.56
1:C:319:VAL:O	1:C:320:ASP:C	2.47	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.56
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.56
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.59	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.05	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.74	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.56
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.56
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.56
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.56
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.56
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:120:CYS:HG	1:C:668:VAL:HG12	1.70	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.59	0.56
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.56
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.68	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.56
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.56
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.56
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.56
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.56
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:138:ALA:CA	3:Z:113:LEU:HD11	2.34	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.56
1:C:341:THR:HG1	1:C:344:GLU:HG2	1.69	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
2:Y:20:MET:CE	2:Y:73:LEU:HD21	2.31	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.56
2:Y:105:ASN:C	2:Y:107:GLU:OE1	2.47	0.56
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.56
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.56
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.56
1:C:472:PHE:HB3	1:C:597:LYS:CE	2.34	0.56
1:C:507:TRP:CZ3	1:C:707:PHE:CD1	2.93	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.52	0.56
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.56
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.56
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.56
1:C:328:PHE:O	1:C:332:ASP:OD2	2.22	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.05	0.56
1:C:502:LYS:CE	1:C:759:LYS:N	2.53	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.56
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.68	0.56
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.56
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.56
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.56
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.56
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.56
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:HA	1:C:760:VAL:HA	1.88	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.56
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.56
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.56
1:C:250:HIS:CG	1:C:452:ARG:HD3	2.39	0.56
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.56
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.68	0.56
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.56
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.56
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.56
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.68	0.56
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.56
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.56
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.56
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.31	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.74	0.56
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.56
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.68	0.56
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.68	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.41	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.56
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.68	0.56
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.56
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.22	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.56
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:805:ARG:CB	3:Z:21:TRP:CZ3	2.89	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.56
1:C:492:MET:C	1:C:710:ARG:HH12	2.14	0.56
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.68	0.56
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.56
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.56
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.68	0.56
1:C:645:ILE:O	1:C:649:HIS:ND1	2.37	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:504:GLY:O	1:C:755:LEU:HD12	2.05	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.56
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.70	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.56
1:C:792:TYR:CZ	2:Y:99:GLN:NE2	2.72	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.56
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.56
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.64	0.56
1:C:234:THR:CG2	1:C:271:ARG:HH12	2.17	0.56
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.02	0.56
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.56
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.34	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.30	0.56
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.59	0.56
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.56
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.03	0.56
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.06	0.56
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.56
1:C:503:GLU:HB3	1:C:760:VAL:O	2.06	0.56
1:C:796:LYS:HE2	2:Y:98:GLU:HB2	1.88	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.87	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.38	0.56
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.56
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.56
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.38	0.56
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.56
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.56
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.56
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
1:C:503:GLU:CA	1:C:757:THR:H	2.17	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.40	0.56
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.56
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.56
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.56
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.56
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.03	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:722:ILE:HG13	1:C:777:ARG:HD2	1.88	0.56
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.34	0.56
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.38	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
3:Z:138:ASN:C	3:Z:138:ASN:ND2	2.63	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.86	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.56
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.56
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.56
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.56
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.56
1:C:800:LYS:CE	1:C:804:GLN:CG	2.83	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.56
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:250:HIS:CB	3:Z:93:PHE:O	2.53	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.56
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.56
1:C:800:LYS:CE	2:Y:95:MET:HG2	2.24	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.56
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.56
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.56
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.56
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.56
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.28	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.56
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.56
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.13	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.56
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
1:C:504:GLY:CA	1:C:743:LEU:CD1	2.83	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.56
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.56
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.13	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.56
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.56
1:C:587:VAL:HG23	1:C:587:VAL:O	2.03	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.56
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.56
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.56
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.56
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.56
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:280:ARG:HD2	1:C:286:TYR:CZ	2.37	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.56
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.56
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.56
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.56
1:C:341:THR:HG1	1:C:344:GLU:HG2	1.70	0.56
1:C:802:GLN:HG2	3:Z:17:LEU:HG	1.86	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.05	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:703:CYS:HB2	1:C:708:PRO:HB3	1.87	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.56
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.56
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.56
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.56
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.56
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.59	0.56
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.56
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.56
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.59	0.56
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.56
1:C:24:GLN:O	1:C:24:GLN:NE2	2.36	0.56
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
2:Y:24:PHE:CE1	2:Y:35:VAL:CG1	2.86	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.40	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.56
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.56
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.56
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.59	0.56
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.56
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.59	0.56
1:C:163:MET:HG3	1:C:170:GLN:CG	1.93	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:245:LYS:O	1:C:460:ASP:OD1	2.22	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.56
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.56
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.56
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.56
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.56
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.56
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.56
1:C:341:THR:HG1	1:C:344:GLU:HG2	1.70	0.56
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.56
1:C:126:TYR:HD2	1:C:679:PRO:CA	2.03	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.56
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.56
1:C:143:LYS:CE	1:C:775:ASP:HB3	2.17	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.56
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.56
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.40	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.59	0.56
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
1:C:505:ILE:HG12	1:C:761:PHE:CB	2.33	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.84	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:464:PHE:HB2	1:C:583:TYR:HH	1.66	0.56
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.56
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.56
3:Z:84:ALA:O	3:Z:88:GLU:HG2	2.04	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:257:ILE:CD1	3:Z:108:HIS:CG	2.88	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
1:C:496:GLU:OE1	1:C:709:SER:CA	2.53	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:506:ALA:HB1	1:C:765:GLY:H	1.70	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:711:LEU:HB2	1:C:760:VAL:CG2	2.34	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:800:LYS:NZ	2:Y:95:MET:HE3	2.21	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.03	0.56
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.84	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.03	0.56
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.56
2:Y:106:ILE:HD12	2:Y:106:ILE:C	2.16	0.56
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.56
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.56
1:C:800:LYS:O	1:C:804:GLN:HB2	2.05	0.56
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
1:C:505:ILE:HB	1:C:761:PHE:CD1	2.40	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
3:Z:119:ASP:HA	3:Z:122:VAL:HG11	1.85	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.70	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.56
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:499:GLU:OE1	1:C:759:LYS:HD2	2.06	0.56
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.56
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.56
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.56
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.56
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.56
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.56
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.56
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.56
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.56
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.56
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.56
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.56
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.56
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.03	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.56
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:506:ALA:HB3	1:C:754:ARG:CZ	2.35	0.56
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.56
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.64	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.06	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.56
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.56
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.56
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:370:GLU:OE1	1:C:371:GLN:O	2.22	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
1:C:472:PHE:HD1	1:C:594:TRP:CZ3	2.21	0.56
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.56
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.56
1:C:341:THR:HG1	1:C:344:GLU:HG2	1.70	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.05	0.56
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.56
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.69	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.56
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.56
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.35	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
2:Y:105:ASN:CG	2:Y:107:GLU:OE1	2.48	0.56
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.56
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.56
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.56
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.56
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.56
1:C:258:ALA:N	3:Z:95:ARG:NH2	2.40	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:552:TYR:CA	1:C:556:MET:HG2	2.22	0.56
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:472:PHE:CZ	1:C:476:CYS:SG	2.98	0.56
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.31	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.56
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.60	0.56
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.56
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:508:GLU:HB2	1:C:766:VAL:HG13	1.87	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
1:C:256:LYS:CB	3:Z:109:VAL:HA	2.36	0.56
1:C:258:ALA:HB1	3:Z:101:ILE:CD1	2.36	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.56
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:104:ARG:CZ	1:C:682:VAL:HG23	2.35	0.56
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.38	0.56
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:503:GLU:O	1:C:762:PHE:HE1	1.85	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.87	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:163:MET:HB3	1:C:454:TYR:CE2	2.39	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.56
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.56
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.56
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.56
1:C:88:MET:HE1	1:C:102:ASN:OD1	2.04	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.56
1:C:145:LYS:CG	1:C:158:ASN:HD21	2.17	0.56
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.56
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.70	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
1:C:505:ILE:HG22	1:C:754:ARG:O	2.05	0.56
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56
2:Y:101:THR:HG23	3:Z:124:GLU:CA	2.35	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.56
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.38	0.56
1:C:104:ARG:CZ	1:C:682:VAL:HG23	2.35	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.56
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.56
1:C:505:ILE:HG22	1:C:761:PHE:CD1	2.41	0.56
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.56
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.56
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.56
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.03	0.56
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:506:ALA:N	1:C:754:ARG:NE	2.38	0.56
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.56
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:691:LEU:O	1:C:694:ASN:ND2	2.30	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.40	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
1:C:138:ALA:HA	3:Z:113:LEU:HD11	1.86	0.56
1:C:167:ARG:N	1:C:715:GLU:OE2	2.27	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.56
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.56
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56
1:C:800:LYS:HZ3	1:C:808:LEU:HG	1.11	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.56
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.56
3:Z:117:LEU:O	3:Z:117:LEU:CD2	2.52	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.38	0.56
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.56
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.56
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.56
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.01	0.56
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.56
1:C:530:LEU:O	1:C:534:GLU:HG2	2.05	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.56
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:505:ILE:HA	1:C:760:VAL:CA	2.36	0.56
2:Y:100:GLU:HB2	3:Z:127:LYS:CD	2.31	0.56
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56
1:C:104:ARG:CZ	1:C:682:VAL:HG23	2.35	0.56
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.15	0.56
1:C:306:SER:C	1:C:308:LEU:H	2.12	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.56
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.56
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
2:Y:105:ASN:O	3:Z:120:GLU:OE2	2.24	0.56
2:Y:107:GLU:OE1	3:Z:120:GLU:OE2	2.11	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.62	0.56
1:C:104:ARG:CZ	1:C:682:VAL:HG23	2.35	0.56
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.56
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.56
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.56
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.56
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.56
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.56
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.56
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.69	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.87	0.56
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.56
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.56
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.56
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.56
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:253:PRO:CG	3:Z:105:GLU:CG	2.78	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.64	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56
1:C:246:PHE:HB2	1:C:459:LEU:HD21	1.86	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56
1:C:800:LYS:HA	1:C:804:GLN:HB2	0.73	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.56
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.56
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
1:C:800:LYS:HG3	1:C:804:GLN:N	2.20	0.56
2:Y:74:SER:O	2:Y:78:ASP:OD2	2.22	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.06	0.56
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:29:VAL:CG2	2:Y:30:ASP:H	2.13	0.56
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.56
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.69	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.64	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.13	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.64	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.67	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.56
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.56
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.56
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.56
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.56
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.56
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.64	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.56
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.14	0.56
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.56
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.56
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.64	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.56
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.56
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.36	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.64	0.56
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.56
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.56
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.56
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.56
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.56
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.56
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.56
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.56
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.56
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.56
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.56
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.64	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.56
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.56
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:341:THR:OG1	1:C:344:GLU:CG	2.52	0.56
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
1:C:464:PHE:CE2	1:C:466:ILE:HG21	2.33	0.56
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.56
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.65	0.56
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.40	0.56
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.56
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.56
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.56
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.56
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.56
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.56
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.56
1:C:508:GLU:CA	1:C:766:VAL:HG13	2.29	0.56
1:C:508:GLU:H	1:C:763:LYS:CG	2.13	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.56
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.56
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.05	0.56
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.56
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.34	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.56
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.56
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.56
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.87	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:436:ASN:O	1:C:439:VAL:CG2	2.48	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.56
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.56
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.56
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.56
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.56
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.56
2:Y:52:ASP:OD2	2:Y:54:LYS:HB2	2.04	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.05	0.56
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.38	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.56
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.56
1:C:175:THR:HG23	1:C:667:PHE:HE1	1.68	0.56
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.31	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.64	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.56
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
1:C:690:GLN:C	1:C:692:GLN:N	2.63	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
2:Y:103:LYS:CB	3:Z:123:ASP:OD2	2.53	0.56
2:Y:108:TYR:HE1	3:Z:118:SER:HB2	1.71	0.56
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.56
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.56
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.56
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:161:GLN:HG3	1:C:719:ARG:CD	2.36	0.56
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.56
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.56
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.56
1:C:352:THR:CG2	1:C:434:MET:SD	2.93	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.56
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.56
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.56
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.56
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.56
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.56
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.56
1:C:104:ARG:CZ	1:C:682:VAL:HG23	2.35	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.06	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.56
1:C:120:CYS:HG	1:C:668:VAL:HG12	1.71	0.56
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.56
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.56
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.56
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.03	0.56
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.56
2:Y:37:LYS:HZ1	2:Y:53:ASP:HA	1.69	0.56
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.56
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.56
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.56
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.56
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.56
1:C:165:THR:C	1:C:715:GLU:HA	2.31	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:437:TRP:HA	1:C:440:ARG:HH21	1.59	0.56
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.56
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
3:Z:134:ASP:OD1	3:Z:138:ASN:ND2	2.37	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.63	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.56
1:C:94:LEU:CD1	1:C:700:ILE:HG22	2.28	0.56
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.56
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.56
1:C:333:GLU:O	1:C:337:ILE:HG23	2.05	0.56
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.56
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.05	0.56
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.56
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.56
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.56
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.56
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:257:ILE:HD12	3:Z:108:HIS:CE1	2.40	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.17	0.56
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.56
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.34	0.56
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.56
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.56
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.56
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.56
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.56
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.56
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.56
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.56
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.56
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.56
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.56
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.56
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.56
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:416:MET:O	1:C:419:VAL:HG22	2.04	0.56
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.56
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.05	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.56
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.56
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.56
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.31	0.56
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.56
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.56
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.56
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.56
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.56
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.56
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.56
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.56
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.56
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.56
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.56
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.56
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.56
1:C:341:THR:HG1	1:C:344:GLU:HG2	1.70	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.64	0.56
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.56
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.69	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.56
1:C:800:LYS:CG	1:C:804:GLN:N	2.69	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.56
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.56
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.56
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.56
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:505:ILE:CG2	1:C:754:ARG:H	2.16	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.64	0.56
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.56
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.56
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.56
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.56
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.41	0.56
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.56
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.56
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.56
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.56
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.56
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.56
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.56
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.56
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.56
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.56
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.56
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.56
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.56
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.56
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.56
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.56
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.56
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.56
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.56
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.56
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.56
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.56
1:C:371:GLN:NE2	1:C:372:ALA:C	2.64	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.56
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.70	0.56
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.56
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.64	0.56
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.56
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.56
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.56
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.56
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.56
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.83	0.56
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.56
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.56
1:C:504:GLY:C	1:C:756:GLY:N	2.60	0.56
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.56
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.12	0.56
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.56
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.56
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.56
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.56
1:C:83:GLU:OE1	1:C:84:LYS:N	2.38	0.56
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.56
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.56
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.56
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.56
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.56
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.56
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.56
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.56
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.56
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.56
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.56
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.56

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.56
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.56
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.56
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.56
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.56
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.56
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.56
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.56
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.56
1:C:498:GLU:CA	1:C:755:LEU:C	2.69	0.56
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.56
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
3:Z:138:ASN:C	3:Z:138:ASN:ND2	2.63	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:587:VAL:HG23	1:C:587:VAL:O	2.04	0.55
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.55
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.55
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:144:ARG:CD	1:C:147:GLU:CG	2.84	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.55
1:C:567:LYS:HG2	1:C:568:PRO:HD2	1.75	0.55
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.55
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.55
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.55
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.55
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.55
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.55
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.55
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.55
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.55
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.55
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.55
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.55
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.55
1:C:800:LYS:C	1:C:801:LEU:C	2.74	0.55
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.69	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.55
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.55
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.55
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.55
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.55
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.55
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.55
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.55
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.55
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.55
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.55
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.55
1:C:83:GLU:OE1	1:C:84:LYS:N	2.39	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.42	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:493:PHE:CD1	1:C:512:PHE:CE1	2.83	0.55
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.55
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.55
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.55
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.55
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.55
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:499:GLU:HA	1:C:756:GLY:HA3	1.88	0.55
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.71	0.55
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.55
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.55
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.55
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.55
1:C:814:ASN:C	1:C:814:ASN:ND2	2.62	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
2:Y:85:SER:HG	2:Y:88:THR:H	1.51	0.55
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.59	0.55
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.55
1:C:417:ASN:HD22	1:C:417:ASN:C	2.14	0.55
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.55
1:C:120:CYS:HG	1:C:668:VAL:HG12	1.70	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.55
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.55
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.55
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.55
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.55
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.06	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.55
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.55
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.55
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.55
1:C:417:ASN:ND2	1:C:417:ASN:C	2.64	0.55
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:498:GLU:HA	1:C:754:ARG:NH2	2.16	0.55
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.55
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.55
1:C:293:ILE:HG23	1:C:328:PHE:CE2	2.39	0.55
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.55
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.55
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.55
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.55
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:499:GLU:HB3	1:C:761:PHE:HZ	1.70	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.55
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.09	0.55
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.42	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.55
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:771:GLU:CD	1:C:774:ARG:HH21	2.13	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
1:C:82:PHE:CE2	1:C:90:ASN:O	2.58	0.55
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.55
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:477:ILE:O	1:C:480:THR:HB	2.05	0.55
1:C:505:ILE:CD1	1:C:754:ARG:HE	2.16	0.55
1:C:701:ARG:HG3	1:C:705:LYS:HZ2	1.69	0.55
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.55
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.55
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.70	0.55
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.55
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.55
3:Z:96:GLU:HG2	3:Z:97:GLY:N	2.15	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:351:CYS:O	1:C:355:ILE:CD1	2.47	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.03	0.55
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.55
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.55
3:Z:96:GLU:OE1	3:Z:96:GLU:N	2.34	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:800:LYS:CA	1:C:804:GLN:HB2	2.35	0.55
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.55
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.55
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:365:GLN:CG	1:C:366:ARG:N	2.49	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.55
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.55
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.55
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.14	0.55
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.55
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.55
1:C:449:LYS:CE	3:Z:138:ASN:HD21	2.15	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.55
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.05	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.39	0.55
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.14	0.55
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.55
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.55
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.70	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.14	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.55
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.55
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.55
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.88	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:802:GLN:NE2	3:Z:17:LEU:CB	2.64	0.55
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.55
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.55
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.55
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.55
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.55
1:C:725:PRO:HD3	1:C:777:ARG:CZ	2.35	0.55
2:Y:85:SER:HG	2:Y:88:THR:H	1.50	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.55
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.55
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.55
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:832:LYS:HZ3	2:Y:48:GLY:N	2.05	0.55
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.55
1:C:5:PHE:O	1:C:6:SER:HB2	2.04	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.55
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.55
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.55
1:C:578:PHE:HE1	1:C:591:ILE:HG22	1.69	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.55
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:271:ARG:HH21	1:C:279:GLU:HG3	1.67	0.55
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:477:ILE:O	1:C:480:THR:HB	2.05	0.55
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
3:Z:42:ILE:HD11	3:Z:44:PRO:CG	2.16	0.55
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.55
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.41	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.55
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
2:Y:104:LEU:HD23	3:Z:124:GLU:CD	2.31	0.55
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.55
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.55
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.55
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.40	0.55
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.55
1:C:229:TYR:CA	1:C:284:ILE:CD1	2.84	0.55
1:C:312:ILE:HD12	1:C:312:ILE:C	2.24	0.55
1:C:703:CYS:HB2	1:C:764:ALA:HB2	1.86	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.55
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:417:ASN:ND2	1:C:417:ASN:C	2.64	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.55
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.55
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.55
1:C:807:GLY:C	1:C:810:VAL:HG22	2.31	0.55
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.55
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.55
1:C:502:LYS:CB	1:C:757:THR:HG23	2.25	0.55
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.55
1:C:500:TYR:CA	1:C:754:ARG:HB2	2.35	0.55
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.90	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.55
1:C:124:ASN:CG	1:C:673:PRO:CG	2.70	0.55
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.55
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:246:PHE:CE1	1:C:459:LEU:HG	2.40	0.55
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.71	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.55
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.55
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.42	0.55
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.55
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.55
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.55
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:35:TRP:HH2	1:C:101:TYR:CB	2.08	0.55
1:C:63:ASP:O	1:C:64:SER:HB3	2.05	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.55
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.06	0.55
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.55
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.70	0.55
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.55
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.42	0.55
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.55
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.55
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.55
1:C:423:VAL:CG2	1:C:424:GLY:N	2.68	0.55
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.55
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:800:LYS:HG2	1:C:804:GLN:HB2	1.88	0.55
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.55
2:Y:119:ASN:ND2	2:Y:119:ASN:C	2.63	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:171:SER:N	1:C:666:HIS:NE2	2.51	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.55
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
1:C:798:TYR:O	1:C:802:GLN:N	2.37	0.55
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.55
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.55
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:493:PHE:O	1:C:710:ARG:NH1	2.36	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:171:SER:N	1:C:666:HIS:NE2	2.51	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.55
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
1:C:789:ILE:HG13	1:C:790:ARG:N	2.18	0.55
1:C:800:LYS:NZ	2:Y:95:MET:CB	2.48	0.55
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.55
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:171:SER:N	1:C:666:HIS:NE2	2.51	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.55
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.55
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
2:Y:85:SER:HG	2:Y:88:THR:H	1.49	0.55
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.55
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.55
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:603:ASN:C	1:C:605:ASN:N	2.60	0.55
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:171:SER:N	1:C:666:HIS:NE2	2.51	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.55
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.55
1:C:507:TRP:CZ3	1:C:706:GLY:C	2.85	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.34	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:171:SER:N	1:C:666:HIS:NE2	2.51	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.55
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:171:SER:N	1:C:666:HIS:NE2	2.51	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.55
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.55
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.85	0.55
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.55
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.55
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.55
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
1:C:143:LYS:HG2	3:Z:95:ARG:CZ	2.36	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:718:GLN:O	3:Z:88:GLU:C	2.50	0.55
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:484:LEU:CD2	1:C:485:GLN:N	2.68	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.42	0.55
1:C:300:MET:O	1:C:301:LEU:HB2	2.04	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.71	0.55
1:C:818:TRP:HE1	1:C:822:ARG:NH2	2.02	0.55
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.41	0.55
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.55
1:C:801:LEU:CG	3:Z:17:LEU:HD11	2.37	0.55
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:507:TRP:HA	1:C:763:LYS:HB2	1.87	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.55
2:Y:138:LYS:CA	3:Z:120:GLU:OE1	2.46	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.55
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.06	0.55
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
1:C:8:PRO:HD2	3:Z:115:GLU:C	2.26	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:141:ARG:NH2	1:C:196:VAL:O	2.36	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:703:CYS:SG	1:C:764:ALA:HB1	2.47	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.15	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.55
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.60	0.55
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.55
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.55
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.55
1:C:328:PHE:CE2	1:C:332:ASP:OD2	2.58	0.55
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.55
1:C:830:TYR:O	1:C:833:VAL:CG2	2.44	0.55
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.55
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.55
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.55
1:C:417:ASN:HD22	1:C:417:ASN:C	2.15	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:560:ARG:O	1:C:560:ARG:CG	2.52	0.55
1:C:726:ASN:H	1:C:726:ASN:ND2	2.03	0.55
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:417:ASN:ND2	1:C:417:ASN:C	2.64	0.55
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.55
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.55
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.55
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.55
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.55
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.55
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.70	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:506:ALA:O	1:C:761:PHE:O	2.22	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
3:Z:117:LEU:HD12	3:Z:117:LEU:H	1.68	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.55
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.55
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.55
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.55
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.55
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.55
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.55
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.55
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.55
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
1:C:801:LEU:HD12	3:Z:17:LEU:HD11	1.87	0.55
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.05	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:722:ILE:HG13	1:C:777:ARG:CD	1.89	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.55
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.55
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.55
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.64	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:560:ARG:O	1:C:560:ARG:CG	2.52	0.55
1:C:798:TYR:O	1:C:801:LEU:N	2.40	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.15	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.55
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.55
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.55
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.55
2:Y:98:GLU:CD	3:Z:121:ASP:OD1	2.49	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.55
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.55
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.55
1:C:501:LYS:HG2	1:C:755:LEU:HG	0.69	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
2:Y:96:PHE:O	2:Y:96:PHE:CD2	2.60	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:137:ILE:CG2	3:Z:108:HIS:HE1	1.82	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.55
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.55
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.40	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.60	0.55
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.55
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.55
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.06	0.55
2:Y:107:GLU:OE1	2:Y:107:GLU:N	2.34	0.55
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.55
1:C:120:CYS:HG	1:C:668:VAL:HG12	1.70	0.55
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.55
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.06	0.55
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.55
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.55
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:771:GLU:OE1	1:C:775:ASP:CG	2.49	0.55
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.55
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:147:GLU:CD	1:C:771:GLU:O	2.49	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.55
1:C:800:LYS:CG	1:C:804:GLN:CB	2.66	0.55
1:C:800:LYS:HA	1:C:804:GLN:N	2.19	0.55
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.55
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.55
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.55
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.55
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.55
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.55
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.40	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:400:LYS:HA	1:C:413:GLY:HA2	1.87	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.70	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.55
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.55
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.55
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.55
1:C:502:LYS:HZ3	1:C:756:GLY:CA	2.18	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.55
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.55
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.55
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.55
1:C:104:ARG:CZ	1:C:682:VAL:HG23	2.35	0.55
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.87	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.55
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.55
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.55
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:449:LYS:HG2	3:Z:100:PHE:HB2	1.88	0.55
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.55
1:C:493:PHE:C	1:C:710:ARG:HH12	2.15	0.55
1:C:503:GLU:CD	1:C:755:LEU:C	2.47	0.55
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.55
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:496:GLU:CB	1:C:754:ARG:HG3	2.35	0.55
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.55
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:507:TRP:CB	1:C:753:TYR:HA	2.36	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.55
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
2:Y:107:GLU:HG2	2:Y:108:TYR:N	2.19	0.55
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.55
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.55
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.55
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.55
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.55
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:520:ILE:O	1:C:523:ILE:HG22	2.05	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.55
1:C:801:LEU:HD21	3:Z:21:TRP:CH2	2.39	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.55
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.55
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.55
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:292:ALA:HB3	1:C:328:PHE:CD2	2.41	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.55
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.55
3:Z:27:ALA:HB1	3:Z:62:SER:OG	2.04	0.55
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.55
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.55
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.55
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.42	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.55
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.55
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.55
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.55
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.55
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.55
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.55
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.06	0.55
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:498:GLU:HA	1:C:755:LEU:HB2	1.87	0.55
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.55
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.55
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.55
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.55
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.55
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.55
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.55
1:C:116:SER:C	1:C:700:ILE:CD1	2.79	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.42	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.55
1:C:500:TYR:HD1	1:C:761:PHE:HB3	1.72	0.55
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.06	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.55
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.55
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.55
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.15	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.55
1:C:449:LYS:O	1:C:449:LYS:CG	2.53	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.30	0.55
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.55
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.55
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.55
1:C:439:VAL:HG23	1:C:440:ARG:N	2.20	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.05	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.90	0.55
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.55
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.58	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.55
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.55
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.55
3:Z:44:PRO:CG	3:Z:75:LEU:HD12	2.27	0.55
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.55
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.55
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
2:Y:141:TYR:CD2	2:Y:141:TYR:O	2.59	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.55
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.06	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.55
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:257:ILE:O	3:Z:105:GLU:CD	2.49	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.55
1:C:500:TYR:CG	1:C:761:PHE:HB3	2.32	0.55
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.55
2:Y:86:GLU:CB	2:Y:149:LYS:HE2	2.35	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.55
1:C:501:LYS:CE	1:C:755:LEU:HD23	2.34	0.55
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.55
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.03	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.55
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.55
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.55
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.04	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:472:PHE:HB3	1:C:597:LYS:HZ2	1.71	0.55
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.19	0.55
1:C:799:LYS:O	1:C:802:GLN:C	2.43	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.40	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.55
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.55
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.55
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.55
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:505:ILE:HD11	1:C:754:ARG:HB3	0.66	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.55
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.55
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55
1:C:99:VAL:CG2	1:C:100:LEU:N	2.67	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.55
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.55
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.55
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.55
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.55
1:C:725:PRO:CB	3:Z:85:ASP:OD1	2.54	0.55
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.55
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.55
1:C:417:ASN:ND2	1:C:417:ASN:C	2.64	0.55
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.55
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.06	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.15	0.55
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.72	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.55
1:C:507:TRP:CZ3	1:C:707:PHE:HA	2.39	0.55
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.55
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.55
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.55
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.55
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.06	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:113:TYR:CE2	1:C:150:PRO:HB3	2.40	0.55
1:C:144:ARG:HH12	1:C:715:GLU:HB3	1.71	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.55
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.55
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.71	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:104:ARG:CZ	1:C:682:VAL:CG2	2.83	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.55
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.55
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.55
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.55
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.55
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.55
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.55
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.55
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.55
1:C:832:LYS:CE	2:Y:48:GLY:H	2.18	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
1:C:76:SER:OG	1:C:93:TYR:CG	2.31	0.55
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.55
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.55
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.55
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.55
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.55
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.55
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.55
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.55
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.55
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.55
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.54	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.55
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.55
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
1:C:100:LEU:HD11	1:C:688:LEU:HB2	1.26	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.55
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.55
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:496:GLU:O	1:C:710:ARG:NH2	2.40	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.55
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.55
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55
1:C:500:TYR:CD1	1:C:709:SER:CA	2.88	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.55
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.55
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.55
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.55
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.55
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.55
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.55
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:503:GLU:HB3	1:C:711:LEU:CA	2.36	0.55
1:C:799:LYS:C	1:C:801:LEU:N	2.63	0.55
2:Y:35:VAL:CG2	2:Y:67:LEU:CG	2.83	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.55
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.55
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.55
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.55
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.55
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.15	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.86	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.06	0.55
2:Y:98:GLU:O	3:Z:128:LEU:CD1	2.47	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:796:LYS:HD3	2:Y:98:GLU:HB2	1.87	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.55
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.55
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.59	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.55
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.41	0.55
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.55
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.55
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.55
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.55
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.55
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.55
1:C:799:LYS:C	1:C:801:LEU:N	2.64	0.55
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:24:PHE:CE1	2:Y:28:ASP:OD2	2.58	0.55
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:417:ASN:ND2	1:C:417:ASN:C	2.64	0.55
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.55
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.55
1:C:807:GLY:C	1:C:810:VAL:HG22	2.31	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:799:LYS:O	1:C:803:ASP:OD1	2.24	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.55
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:507:TRP:CZ3	1:C:707:PHE:HE1	2.19	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
2:Y:94:ALA:HA	3:Z:128:LEU:HD21	1.86	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:500:TYR:N	1:C:709:SER:O	2.39	0.55
1:C:502:LYS:HZ1	1:C:756:GLY:CA	2.19	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
3:Z:15:PHE:CE1	3:Z:28:VAL:HG13	2.40	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.55
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.55
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.40	0.55
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.55
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.55
1:C:314:GLN:CG	1:C:315:GLY:N	2.64	0.55
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.55
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.55
1:C:832:LYS:HZ3	2:Y:48:GLY:N	2.03	0.55
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.72	0.55
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.55
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.55
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
1:C:801:LEU:HB2	3:Z:17:LEU:HD11	1.88	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.55
1:C:722:ILE:CG2	3:Z:92:THR:CG2	2.78	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.55
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.55
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.71	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.55
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.55
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:746:LEU:HG	1:C:777:ARG:NH2	2.21	0.55
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.55
1:C:126:TYR:HB3	1:C:679:PRO:CA	2.35	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.55
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.05	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.55
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.55
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.55
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.55
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.55
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.55
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.62	0.55
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:162:ASN:HB3	1:C:170:GLN:NE2	2.20	0.55
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:500:TYR:CD2	1:C:761:PHE:CG	2.95	0.55
1:C:502:LYS:CG	1:C:713:TYR:OH	2.47	0.55
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
1:C:88:MET:CE	1:C:99:VAL:HA	2.35	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:286:TYR:CZ	1:C:312:ILE:CG1	2.86	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CZ	1:C:345:LYS:CA	2.89	0.55
1:C:807:GLY:C	1:C:810:VAL:HG22	2.30	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.55
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.55
1:C:166:ASP:O	1:C:719:ARG:HD3	2.06	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.55
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.55
1:C:506:ALA:CA	1:C:754:ARG:NH2	2.70	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.55
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.55
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.06	0.55
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
2:Y:134:VAL:HG12	2:Y:139:PHE:CD1	2.37	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.55
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.55
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.41	0.55
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.10	0.55
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:505:ILE:CG1	1:C:754:ARG:HB3	2.36	0.55
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.55
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.55
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.55
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.55
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:231:ASN:HD21	1:C:241:SER:HA	1.61	0.55
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.55
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.72	0.55
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.55
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:231:ASN:HD21	1:C:241:SER:HA	1.61	0.55
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.55
1:C:498:GLU:CA	1:C:754:ARG:HH21	2.16	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.55
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:781:ILE:HD13	3:Z:89:ALA:HB3	1.84	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
1:C:137:ILE:CG2	3:Z:108:HIS:CE1	2.62	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.55
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.55
1:C:802:GLN:CD	3:Z:17:LEU:HD12	2.32	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.55
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.55
1:C:506:ALA:HB2	1:C:753:TYR:N	2.14	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.55
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.55
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:231:ASN:HD21	1:C:241:SER:HA	1.61	0.55
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.55
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.55
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.55
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.71	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.55
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.55
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.55
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.55
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.55
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.55
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.55
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.55
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.55
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.55
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.55
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.55
1:C:138:ALA:CA	3:Z:113:LEU:CD1	2.82	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.60	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.55
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
2:Y:104:LEU:HA	3:Z:124:GLU:OE1	2.07	0.55
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.64	0.55
1:C:115:TYR:CE1	1:C:150:PRO:HA	2.30	0.55
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:231:ASN:HD21	1:C:241:SER:HA	1.61	0.55
1:C:417:ASN:ND2	1:C:417:ASN:C	2.63	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.55
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.55
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.55
1:C:68:THR:C	1:C:69:VAL:HG13	2.32	0.55
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.55
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.55
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.55
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.55
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.55
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.63	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.55
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.55
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.55
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.05	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
3:Z:33:LEU:HD21	3:Z:68:PHE:HD1	1.69	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.55
1:C:500:TYR:CG	1:C:707:PHE:HB2	2.42	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.55
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.55
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.55
1:C:432:ASP:O	1:C:436:ASN:ND2	2.39	0.55
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.55
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.55
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.55
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.55
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.55
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.65	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.55
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.55
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.55
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.55
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.55
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.55
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.55
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.65	0.55
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.55
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.55
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:126:TYR:CZ	1:C:677:LYS:O	2.58	0.55
1:C:174:ILE:HG22	1:C:668:VAL:HG21	1.87	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.55
1:C:505:ILE:CA	1:C:761:PHE:HD1	2.19	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.15	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.55
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.55
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.55
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.71	0.55
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.06	0.55
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.55
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.55
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.55
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.55
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.55
2:Y:98:GLU:OE1	3:Z:124:GLU:OE2	2.25	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.15	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:477:ILE:O	1:C:480:THR:HB	2.06	0.55
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.55
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.55
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.55
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.55
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.64	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.55
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.15	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.55
1:C:500:TYR:HB3	1:C:754:ARG:CG	2.36	0.55
1:C:503:GLU:CG	1:C:761:PHE:CZ	2.90	0.55
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.55
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.55
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:478:ASN:O	1:C:482:GLU:HG2	2.05	0.55
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.42	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.55
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.72	0.55
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.55
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.55
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.55
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.15	0.55
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.55
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.55
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.55
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.55
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.55
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.55
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.55
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.55
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.55
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.55
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.90	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.55
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
1:C:505:ILE:C	1:C:761:PHE:N	2.54	0.55
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.55
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.55
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.55
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.55
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.55
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.55
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.55
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.55
1:C:800:LYS:C	1:C:803:ASP:OD1	2.23	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
1:C:746:LEU:CD1	1:C:777:ARG:NH2	2.68	0.55
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.55
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
1:C:503:GLU:HA	1:C:757:THR:HG23	1.89	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HZ3	2:Y:48:GLY:N	2.03	0.55
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.55
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.55
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
1:C:500:TYR:HB3	1:C:754:ARG:CG	2.37	0.55
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.55
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.55
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.55
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.55
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.55
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.55
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.55
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.55
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.55
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
1:C:722:ILE:CA	1:C:777:ARG:NH1	2.47	0.55
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.55
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.55
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.55
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.55
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.55
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.55
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.55
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.55
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.55
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:353:ALA:O	1:C:357:HIS:HD2	1.91	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.55
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.55
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.55
1:C:139:LYS:O	1:C:143:LYS:HD3	2.07	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.55
3:Z:93:PHE:CZ	3:Z:105:GLU:CG	2.84	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:370:GLU:OE1	1:C:371:GLN:O	2.22	0.55
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.55
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.55
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.55
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.55
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.55
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.55
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.55
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.55
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.19	0.55
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.55
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.55
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.55
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.55
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.55
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.55
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.55
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.55
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.19	0.55
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.55
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.55
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:353:ALA:O	1:C:357:HIS:HD2	1.91	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.55
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.55
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.55
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.55
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.55
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.55
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.55
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.55
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.55
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.55
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:353:ALA:O	1:C:357:HIS:HD2	1.91	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
2:Y:24:PHE:O	2:Y:27:ILE:HG13	2.06	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.55
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.55
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.55
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.55
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.19	0.55
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.55
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.55
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.55
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.55
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.55
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.55
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.55
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.06	0.55
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.55
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.55
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.72	0.55
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.55
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.55
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.55
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.55

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.72	0.55
2:Y:98:GLU:CG	2:Y:99:GLN:N	2.65	0.55
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.55
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.55
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.55
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.55
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.55
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.55
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.55
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.55
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.55
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.55
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.55
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.55
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.55
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.55
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.42	0.55
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.55
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.55
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.55
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.55
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.55
1:C:353:ALA:O	1:C:357:HIS:HD2	1.91	0.55
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.55
1:C:800:LYS:HA	1:C:805:ARG:H	1.72	0.55
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.55
1:C:25:THR:CG2	1:C:26:ALA:H	2.17	0.55
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.55
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.55
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.55
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.55
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.55
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.19	0.55
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.55
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.55
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.54
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.54
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.54
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.54
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.54
1:C:798:TYR:O	1:C:802:GLN:CB	2.54	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.54
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.54
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.54
1:C:120:CYS:HG	1:C:668:VAL:HG12	1.70	0.54
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.54
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.54
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.54
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.54
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.22	0.54
1:C:800:LYS:HG2	1:C:804:GLN:CB	2.01	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.54
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.54
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.54
1:C:449:LYS:N	3:Z:100:PHE:CD2	2.54	0.54
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.54
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.54
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:508:GLU:N	1:C:763:LYS:CB	2.66	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
2:Y:29:VAL:O	2:Y:31:ARG:N	2.36	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.54
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:254:THR:O	3:Z:95:ARG:NH1	2.40	0.54
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.54
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.54
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.54
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.54
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.54
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.54
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.54
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.54
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.54
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.54
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.54
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.54
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.54
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.54
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.75	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.54
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.54
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.54
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.54
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.54
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.54
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.54
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.38	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.54
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.54
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.54
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.54
1:C:499:GLU:O	1:C:755:LEU:N	2.37	0.54
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.54
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.54
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.54
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.54
1:C:691:LEU:O	1:C:694:ASN:ND2	2.31	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.54
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.54
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.40	0.54
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.41	0.54
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.54
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.23	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:353:ALA:O	1:C:357:HIS:HD2	1.91	0.54
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.40	0.54
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.54
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.54
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.90	0.54
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.54
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.40	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.54
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.54
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.54
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.54
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.54
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.54
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.54
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.54
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.54
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.54
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.54
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.54
2:Y:138:LYS:HD3	3:Z:123:ASP:CG	2.32	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.54
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.40	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.54
1:C:145:LYS:CB	1:C:768:GLY:HA2	2.37	0.54
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.54
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.54
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.18	0.54
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.68	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:780:LYS:O	1:C:783:SER:OG	2.21	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.54
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.54
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.54
1:C:561:MET:O	1:C:581:HIS:HD2	1.89	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.54
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.54
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.23	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.54
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.54
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.54
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.40	0.54
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.54
3:Z:138:ASN:ND2	3:Z:138:ASN:C	2.64	0.54
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.54
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.54
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.54
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.54
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.23	0.54
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.54
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.54
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.54
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.54
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.54
1:C:193:LEU:CD1	1:C:249:ILE:CG1	2.84	0.54
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.54
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.54
1:C:311:PHE:CD1	1:C:312:ILE:CA	2.89	0.54
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.07	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.23	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.54
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.54
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.54
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.54
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.54
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.06	0.54
1:C:143:LYS:C	1:C:774:ARG:HH21	2.14	0.54
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.54
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.54
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.54
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.54
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.40	0.54
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.54
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.90	0.54
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.42	0.54
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.54
1:C:337:ILE:C	1:C:337:ILE:HD12	2.31	0.54
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.54
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.54
1:C:504:GLY:CA	1:C:767:LEU:HD21	2.37	0.54
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.54
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.54
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.54
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.54
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.54
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:456:ILE:HG23	1:C:456:ILE:O	2.05	0.54
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.54
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.54
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.54
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.72	0.54
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:781:ILE:HG13	1:C:782:ILE:H	1.67	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.54
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.54
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.54
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
1:C:675:GLU:C	1:C:675:GLU:CD	2.60	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.22	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.54
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.72	0.54
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.54
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.72	0.54
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:498:GLU:C	1:C:756:GLY:CA	2.76	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.54
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
1:C:801:LEU:CD2	3:Z:21:TRP:CZ3	2.90	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.54
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.54
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.54
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.54
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.72	0.54
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:505:ILE:HD11	1:C:766:VAL:CB	2.29	0.54
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.13	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:697:LEU:HD23	1:C:698:GLU:N	2.11	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.54
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.54
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.72	0.54
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.54
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.54
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.54
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.54
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.72	0.54
1:C:439:VAL:HG23	1:C:440:ARG:N	2.21	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.54
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.23	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.54
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.54
1:C:800:LYS:C	1:C:804:GLN:HB2	2.30	0.54
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.72	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
1:C:147:GLU:OE2	3:Z:95:ARG:HA	2.06	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.54
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.54
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.54
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.54
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.54
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.54
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.54
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.54
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.54
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.54
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.54
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.54
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:140:TYR:CZ	1:C:157:ASP:HB2	2.41	0.54
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.54
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.54
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.54
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.07	0.54
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:802:GLN:HE21	3:Z:17:LEU:CB	2.13	0.54
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.59	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.41	0.54
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.54
1:C:500:TYR:CD1	1:C:707:PHE:HB3	2.37	0.54
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.54
1:C:491:HIS:CD2	1:C:491:HIS:C	2.84	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.54
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.54
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.06	0.54
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:488:PHE:O	1:C:492:MET:HB2	2.06	0.54
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.08	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.04	0.54
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.54
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.54
1:C:505:ILE:CG1	1:C:754:ARG:HE	2.14	0.54
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.54
1:C:158:ASN:OD1	1:C:771:GLU:CG	2.52	0.54
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.54
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.54
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:560:ARG:O	1:C:560:ARG:CG	2.52	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.54
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.60	0.54
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.54
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.54
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.54
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.72	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.54
1:C:417:ASN:C	1:C:417:ASN:HD22	2.15	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.54
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.54
1:C:507:TRP:CE3	1:C:707:PHE:HA	2.41	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.54
1:C:799:LYS:CA	1:C:802:GLN:CB	2.67	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.90	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.54
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.54
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.54
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.54
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.54
1:C:256:LYS:HD2	3:Z:108:HIS:O	2.04	0.54
1:C:448:THR:HG21	3:Z:102:SER:CB	2.35	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.54
1:C:500:TYR:CD1	1:C:709:SER:C	2.77	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.54
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.54
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.54
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.54
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.54
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.54
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.54
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.54
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.54
3:Z:14:VAL:HG23	3:Z:15:PHE:N	2.20	0.54
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.54
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:800:LYS:HG3	1:C:804:GLN:HB2	1.89	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.54
1:C:502:LYS:HB3	1:C:713:TYR:CE1	2.42	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
1:C:70:LYS:HE3	1:C:72:ASP:CB	2.26	0.54
1:C:144:ARG:CD	1:C:147:GLU:CG	2.83	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.39	0.54
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.54
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.54
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.54
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:802:GLN:HE22	3:Z:17:LEU:CB	2.19	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.54
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.54
1:C:507:TRP:HB2	1:C:707:PHE:CZ	2.43	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
1:C:475:LEU:HD23	1:C:589:TYR:CZ	2.41	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.54
1:C:500:TYR:HA	1:C:761:PHE:CE1	2.42	0.54
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.72	0.54
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.54
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.54
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.54
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.54
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.54
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.54
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.22	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.54
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.54
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.54
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.54
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.54
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:506:ALA:CB	1:C:763:LYS:O	2.51	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.54
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.54
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.54
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.73	0.54
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.54
1:C:237:ASN:HB2	1:C:240:SER:HG	1.72	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.54
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:507:TRP:C	1:C:751:ALA:O	2.48	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.54
2:Y:108:TYR:HE2	3:Z:121:ASP:OD1	1.89	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.54
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.54
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.54
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.54
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.73	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.80	0.54
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.38	0.54
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.54
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.54
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.54
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.54
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.54
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.54
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.54
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.54
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.54
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:506:ALA:HB1	1:C:752:GLU:CD	2.32	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.72	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.54
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.54
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.54
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.54
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.54
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.10	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.54
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.54
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.54
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.54
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:258:ALA:HB3	3:Z:93:PHE:O	2.06	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.72	0.54
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.54
2:Y:85:SER:O	2:Y:89:ILE:CD1	2.54	0.54
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.54
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.54
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.54
1:C:500:TYR:CE1	1:C:707:PHE:CB	2.91	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.54
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.54
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.54
1:C:499:GLU:CG	1:C:710:ARG:HH12	2.17	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.54
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.72	0.54
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.73	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.54
1:C:165:THR:O	1:C:167:ARG:NH1	2.39	0.54
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.54
1:C:499:GLU:CG	1:C:710:ARG:HH12	2.17	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.54
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.54
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.54
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:503:GLU:CB	1:C:761:PHE:HE1	2.20	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.72	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.54
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.54
1:C:500:TYR:OH	1:C:707:PHE:N	2.40	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.54
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.54
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.54
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.72	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.54
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.72	0.54
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.38	0.54
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:499:GLU:OE2	1:C:759:LYS:HB3	2.04	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.72	0.54
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.54
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.54
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.54
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.54
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.54
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.54
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.06	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:HD13	2.41	0.54
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.54
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.54
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.54
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.60	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:595:LEU:HD21	1:C:596:GLU:OE1	2.06	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:773:MET:N	1:C:776:GLU:HG3	2.22	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.54
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:251:PHE:HE2	1:C:456:ILE:HG22	1.71	0.54
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.54
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.54
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.54
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.54
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.54
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.54
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.54
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.54
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.54
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.54
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.54
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.54
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.54
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.06	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:99:GLN:OE1	3:Z:129:THR:CG2	2.48	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.54
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:144:ARG:CZ	1:C:770:LEU:HD22	2.35	0.54
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.54
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.54
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.54
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.60	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.54
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.54
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.54
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.54
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.54
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.54
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.54
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.54
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.20	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.06	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.54
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.68	0.54
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.54
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.54
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.54
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.54
1:C:417:ASN:C	1:C:417:ASN:HD22	2.15	0.54
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.54
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.54
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.54
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.85	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.54
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
1:C:165:THR:O	1:C:167:ARG:NH1	2.40	0.54
1:C:389:ILE:HD13	1:C:609:LEU:HD13	1.88	0.54
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.54
1:C:493:PHE:CE1	1:C:512:PHE:CE2	2.90	0.54
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.54
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.54
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.54
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.54
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.54
1:C:800:LYS:CD	2:Y:95:MET:HG2	2.15	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.38	0.54
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:701:ARG:HG3	1:C:705:LYS:HZ2	1.72	0.54
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.54
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
1:C:169:ASN:O	1:C:719:ARG:HD3	2.06	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.54
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.54
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:701:ARG:HG3	1:C:705:LYS:HZ2	1.72	0.54
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.54
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:701:ARG:HG3	1:C:705:LYS:HZ2	1.72	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.21	0.54
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.54
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.10	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.54
1:C:801:LEU:CD2	3:Z:21:TRP:CZ3	2.90	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.54
1:C:805:ARG:N	3:Z:21:TRP:CZ3	2.75	0.54
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:507:TRP:CB	1:C:754:ARG:HG2	2.33	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.54
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.56	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.54
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.54
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.54
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.54
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.90	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.54
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.54
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
2:Y:96:PHE:CD2	2:Y:96:PHE:O	2.60	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:228:ALA:O	1:C:284:ILE:CD1	2.31	0.54
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.72	0.54
2:Y:85:SER:HG	2:Y:88:THR:H	1.50	0.54
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.54
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.54
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.54
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.54
1:C:505:ILE:CD1	1:C:709:SER:OG	2.55	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.54
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.56	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:141:ARG:CD	3:Z:93:PHE:CD1	2.90	0.54
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.54
3:Z:15:PHE:CZ	3:Z:28:VAL:HG13	2.41	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:507:TRP:HH2	1:C:706:GLY:N	2.04	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.54
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.54
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.54
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.54
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.72	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.56	0.54
1:C:500:TYR:CA	1:C:761:PHE:CE1	2.91	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
2:Y:69:PHE:O	2:Y:69:PHE:CD2	2.59	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.54
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.54
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.54
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.54
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:268:GLU:OE2	1:C:271:ARG:CB	2.55	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.54
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.54
1:C:248:ARG:HD2	1:C:457:GLY:HA3	1.89	0.54
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.54
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.54
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.54
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.54
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.54
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.54
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.54
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.54
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.54
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.54
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.54
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.54
1:C:497:GLN:HA	1:C:500:TYR:CD2	2.41	0.54
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.54
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.54
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.56	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:792:TYR:CE1	2:Y:98:GLU:CG	2.73	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.85	0.54
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.54
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.54
1:C:500:TYR:CD2	1:C:761:PHE:CG	2.95	0.54
1:C:502:LYS:HG3	1:C:713:TYR:CD1	2.43	0.54
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.54
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.54
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.54
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.54
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.43	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.90	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:507:TRP:H	1:C:754:ARG:NH2	1.78	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.54
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.54
3:Z:16:GLU:HA	3:Z:19:ASP:CG	2.31	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.54
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.69	0.54
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.54
1:C:160:TYR:OH	1:C:255:GLY:O	2.21	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:742:ILE:C	1:C:742:ILE:HD12	2.32	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.73	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.54
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.38	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.54
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.54
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:603:ASN:C	1:C:605:ASN:N	2.60	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:603:ASN:C	1:C:605:ASN:N	2.61	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.54
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.54
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.54
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.54
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.54
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.54
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.54
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
3:Z:56:HIS:CD2	3:Z:56:HIS:C	2.85	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:508:GLU:HA	1:C:754:ARG:NH1	2.23	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.54
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.54
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.54
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.05	0.54
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.54
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.54
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.54
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.54
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.54
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.54
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.56	0.54
1:C:697:LEU:HD22	1:C:698:GLU:N	2.21	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.54
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.54
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.54
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.54
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.54
1:C:505:ILE:CB	1:C:709:SER:C	2.81	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
1:C:793:LEU:HB2	2:Y:98:GLU:HG3	1.89	0.54
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.54
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.54
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.54
1:C:578:PHE:CE1	1:C:589:TYR:HB2	2.41	0.54
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.56	0.54
1:C:503:GLU:HA	1:C:757:THR:HG23	1.90	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.54
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.54
1:C:501:LYS:N	1:C:754:ARG:HB3	2.23	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.54
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.54
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.48	0.54
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.54
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.17	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
1:C:505:ILE:HG13	1:C:754:ARG:HE	1.73	0.54
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.73	0.54
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.54
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.54
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.54
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.54
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
2:Y:99:GLN:NE2	3:Z:127:LYS:NZ	2.43	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:231:ASN:HD21	1:C:241:SER:HA	1.62	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.54
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.40	0.54
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.54
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.71	0.54
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.54
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.54
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.54
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.54
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.54
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.54
1:C:507:TRP:N	1:C:754:ARG:NH2	2.35	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
1:C:167:ARG:HG3	1:C:722:ILE:HD12	0.54	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
3:Z:98:GLN:HE22	3:Z:100:PHE:HB2	1.61	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.54
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.54
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.54
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.69	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.54
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.54
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.69	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.54
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.54
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.54
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.54
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.54
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.54
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
1:C:799:LYS:CA	1:C:803:ASP:HB3	2.18	0.54
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:800:LYS:HA	1:C:803:ASP:CG	2.29	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
1:C:505:ILE:CD1	1:C:751:ALA:O	2.56	0.54
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.54
1:C:802:GLN:HE22	3:Z:17:LEU:CA	2.20	0.54
1:C:805:ARG:HD2	3:Z:20:PHE:C	2.33	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:175:THR:HG23	1:C:667:PHE:CE1	2.41	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
2:Y:85:SER:HG	2:Y:88:THR:H	1.54	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.54
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.54
1:C:500:TYR:HA	1:C:761:PHE:CD1	2.42	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.54
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.54
1:C:507:TRP:HZ3	1:C:707:PHE:CD1	2.26	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.54
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.54
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.54
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.54
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.54
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.54
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.54
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.54
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.54
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.54
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.54
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.66	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.54
1:C:796:LYS:HZ1	3:Z:128:LEU:HD22	1.73	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.54
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.54
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.54
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.54
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.54
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.54
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.54
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:120:CYS:HG	1:C:668:VAL:HG12	1.73	0.54
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.54
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.54
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.54
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.54
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.54
1:C:654:ASN:ND2	1:C:654:ASN:C	2.64	0.54
1:C:701:ARG:HG3	1:C:705:LYS:HZ2	1.71	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.54
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.54
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.54
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.41	0.54
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.54
1:C:509:PHE:CG	1:C:510:ILE:N	2.74	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.54
1:C:417:ASN:C	1:C:417:ASN:HD22	2.14	0.54
1:C:502:LYS:O	1:C:757:THR:HG21	2.05	0.54
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.32	0.54
1:C:158:ASN:CG	1:C:771:GLU:HG3	2.32	0.54
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.54
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.54
1:C:671:ILE:C	1:C:671:ILE:HD12	2.32	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:5:GLN:CG	3:Z:8:ILE:HD11	2.33	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.54
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.54
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.54
1:C:506:ALA:N	1:C:762:PHE:C	2.66	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.54
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.54
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.54
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.54
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.54
1:C:507:TRP:N	1:C:753:TYR:HA	2.23	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.54
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.54
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.03	0.54
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.54
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
2:Y:116:MET:HA	3:Z:23:GLY:C	2.26	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.54
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.54
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.54
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.54
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.54
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.54
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.54
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.54
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.54
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.54
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.54
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.54
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.54
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:502:LYS:HA	1:C:713:TYR:CZ	2.43	0.54
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:168:GLU:C	1:C:168:GLU:CD	2.61	0.54
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:723:LEU:HD23	1:C:777:ARG:CG	2.37	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
3:Z:56:HIS:CD2	3:Z:56:HIS:C	2.85	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.54
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.07	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.54
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.54
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.07	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.54
1:C:595:LEU:CD1	1:C:595:LEU:H	2.19	0.54
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.54
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.54
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.15	0.54
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.54
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.21	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.54
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54
1:C:7:ASP:HB2	3:Z:114:GLY:C	2.33	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.32	0.54
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.08	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
1:C:812:GLN:HG2	2:Y:120:PHE:CE2	2.35	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.54
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.71	0.54
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.54
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.54
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:271:ARG:HH21	1:C:279:GLU:HG2	1.67	0.54
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.54
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.54
1:C:56:ILE:HG13	1:C:69:VAL:CG2	2.33	0.54
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.07	0.54
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.54
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.54
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.20	0.54
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.54
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.40	0.54
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.54
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.54
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.54
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.54
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.54
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:216:GLU:N	1:C:218:GLN:NE2	2.55	0.54
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.54
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.54
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.54
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.54
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.54
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.54
1:C:801:LEU:HD12	3:Z:17:LEU:CD2	2.37	0.54
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.54
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.54
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.54
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.54
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.54
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.54
1:C:509:PHE:CB	1:C:751:ALA:HA	2.19	0.54
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.54
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.54
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.54
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.54
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.54
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.54
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.54
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.54
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.54
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.72	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.40	0.54
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.54
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.54
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.54
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.54
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.54
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.38	0.54
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.54
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.54
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.54
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.54
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.54
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.54
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.54
1:C:506:ALA:HB2	1:C:766:VAL:HG11	1.79	0.54
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.38	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.54
1:C:500:TYR:CD1	1:C:754:ARG:CG	2.87	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.54
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.54
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.54
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.54
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.54
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.54
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.54
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:HD21	1:C:88:MET:N	2.23	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.07	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:503:GLU:CB	1:C:761:PHE:HE1	2.19	0.54
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.54
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.10	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.54
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.54
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.54
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.54
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.54
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.56	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.54
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.54
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.73	0.54
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.54
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.54
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.54
1:C:502:LYS:HA	1:C:713:TYR:CE2	2.38	0.54
1:C:507:TRP:CE3	1:C:763:LYS:HG3	2.43	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.54
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.54
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.54
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.23	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.07	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.54
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.54
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.54
1:C:370:GLU:OE1	1:C:416:MET:HG2	2.03	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.54
1:C:771:GLU:CD	1:C:774:ARG:NH2	2.56	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.54
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.54
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.54
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.54
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.54
1:C:802:GLN:NE2	3:Z:17:LEU:CD1	2.62	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.23	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.07	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:505:ILE:HG21	1:C:761:PHE:CG	2.33	0.54
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.54
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.54
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.54
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:832:LYS:HZ1	2:Y:48:GLY:N	2.02	0.54
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.54
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.54
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.54
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.54
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.54
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.54
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.54
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.54
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.54
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.54
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.54
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.54
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.54
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.54
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.54
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:165:THR:OG1	1:C:715:GLU:CB	2.52	0.54
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.54
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.54
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.23	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.07	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.54
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
1:C:10:PHE:CD2	1:C:14:ALA:HB2	2.37	0.54
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.54
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.54
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.54
1:C:802:GLN:HE21	3:Z:17:LEU:HD12	1.73	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.54
1:C:560:ARG:O	1:C:560:ARG:CG	2.53	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.54
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.54
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.54
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.54
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.54
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.54
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.54
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.54
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.54
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.54
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.54
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.54
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
3:Z:56:HIS:C	3:Z:56:HIS:CD2	2.85	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:509:PHE:CG	1:C:749:ASP:OD1	2.55	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.54
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.54
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.54
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.54
1:C:507:TRP:CZ3	1:C:707:PHE:CD1	2.96	0.54
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.71	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.54
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.54
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.54
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.54
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.54
1:C:799:LYS:HG3	1:C:803:ASP:HB3	1.82	0.54
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.54
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.54
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.54
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.54
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.54
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.54
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.54
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.54
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.54
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.54
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.54
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.54
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.54
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:799:LYS:HG2	1:C:803:ASP:HB2	1.84	0.54
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.54
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.54
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.54
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.54
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.72	0.54
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.54
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.54
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.06	0.54
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.54
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.54
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
1:C:5:PHE:CD1	3:Z:93:PHE:HZ	2.22	0.54
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.54
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.54
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.54
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.54
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.54
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.54
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.54
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.54
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.54
1:C:654:ASN:C	1:C:654:ASN:HD22	2.16	0.54
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.54
1:C:801:LEU:HB2	3:Z:17:LEU:HD11	1.90	0.54
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.54
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.54
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.54
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.54
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.54
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.54
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.54
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.54
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.54
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.54
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.54
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.54
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.54
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.54
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.54
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.54
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.72	0.54
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.54
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.54
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.54
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.54
1:C:467:PHE:CZ	1:C:468:ASP:OD2	2.60	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
1:C:647:ALA:O	1:C:651:GLU:HG2	2.06	0.54
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.54
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.54
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.71	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.54
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.54
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.54
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.54
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.54
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.54
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.54
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.54
3:Z:138:ASN:C	3:Z:138:ASN:HD22	2.14	0.54
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.54
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.54
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.72	0.54
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.54
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.54
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.54
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.54
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.54
1:C:800:LYS:O	1:C:801:LEU:C	2.51	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.54
1:C:104:ARG:CZ	1:C:682:VAL:HG23	2.35	0.54
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.54
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:595:LEU:C	1:C:595:LEU:CD2	2.75	0.54
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.54
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.54
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.54
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.54
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.54
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.71	0.54
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.54
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.54
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.54
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.54
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.72	0.54
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.54
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.20	0.54
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.54
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.54
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.54
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.54
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.54
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.54
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.54
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.54
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.54
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.54
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.54
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.54
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.54
1:C:654:ASN:C	1:C:654:ASN:HD22	2.16	0.54
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.54
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.54

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.54
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.54
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.54
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.54
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.72	0.54
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.54
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.54
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.54
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.54
3:Z:56:HIS:CD2	3:Z:56:HIS:C	2.85	0.54
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.54
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.54
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.54
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.54
1:C:181:GLY:O	1:C:185:ASN:ND2	2.40	0.54
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.54
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.54
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.54
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.54
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.54
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.54
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.54
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.53
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.53
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.53
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.53
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.53
1:C:103:LEU:CD2	1:C:121:ILE:HD11	2.37	0.53
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.42	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.53
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.53
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.53
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.53
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.07	0.53
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.53
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.53
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.53
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.53
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.53
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.53
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.53
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.53
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.53
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.38	0.53
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.53
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.53
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.53
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.53
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:507:TRP:H	1:C:766:VAL:N	2.05	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.53
1:C:498:GLU:C	1:C:761:PHE:CD1	2.86	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.53
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.53
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.53
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.53
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.53
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.53
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
3:Z:90:PHE:CZ	3:Z:101:ILE:HB	2.42	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.32	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.23	0.53
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.53
1:C:147:GLU:CD	1:C:774:ARG:HH21	2.15	0.53
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.53
1:C:645:ILE:CA	1:C:648:VAL:HG12	2.37	0.53
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.53
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.53
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.53
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.53
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.53
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.53
1:C:775:ASP:O	1:C:776:GLU:C	2.44	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.53
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.53
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.72	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.53
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.53
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.53
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.53
2:Y:122:LYS:O	2:Y:126:ARG:HG3	2.06	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.53
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.53
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.53
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.53
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.53
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.89	0.53
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.53
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.53
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
1:C:504:GLY:N	1:C:756:GLY:HA2	2.20	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.53
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.53
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.53
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.53
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.53
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
1:C:832:LYS:HZ3	2:Y:48:GLY:N	2.05	0.53
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.90	0.53
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.53
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
1:C:121:ILE:C	1:C:121:ILE:HD12	2.32	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:599:LYS:C	1:C:600:ASP:O	2.43	0.53
1:C:712:ILE:HG13	1:C:714:SER:OG	2.07	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.32	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.53
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.53
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.53
1:C:504:GLY:C	1:C:760:VAL:CG1	2.80	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.53
1:C:800:LYS:CD	2:Y:95:MET:O	2.57	0.53
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.72	0.53
2:Y:35:VAL:HG23	2:Y:35:VAL:O	2.06	0.53
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.53
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.53
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.53
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.53
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.53
1:C:104:ARG:CZ	1:C:682:VAL:HG23	2.35	0.53
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.32	0.53
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.53
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.53
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.53
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.53
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.53
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.22	0.53
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.53
1:C:165:THR:CG2	1:C:719:ARG:CG	2.65	0.53
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.53
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.09	0.53
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
2:Y:116:MET:HE1	3:Z:21:TRP:CD1	2.44	0.53
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.53
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.53
1:C:506:ALA:HB1	1:C:752:GLU:HB3	1.89	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.53
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.53
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:801:LEU:HD21	3:Z:21:TRP:CH2	2.43	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.53
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.53
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.53
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.53
1:C:705:LYS:O	1:C:706:GLY:O	2.25	0.53
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.53
1:C:798:TYR:CZ	1:C:802:GLN:HG3	2.44	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.53
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.53
1:C:254:THR:HG1	3:Z:95:ARG:NH2	2.04	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.72	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.53
1:C:171:SER:N	1:C:666:HIS:NE2	2.51	0.53
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.22	0.53
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.53
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.53
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.22	0.53
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.53
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.53
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.53
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.53
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.53
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.53
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.53
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.53
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.53
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.16	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.56	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.53
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.53
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.53
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
1:C:723:LEU:HA	1:C:777:ARG:HH11	1.68	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.53
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.53
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.53
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
1:C:43:PHE:HE1	1:C:688:LEU:HD11	1.63	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.53
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:68:THR:C	1:C:69:VAL:HG13	2.32	0.53
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.53
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.53
1:C:796:LYS:HZ1	3:Z:128:LEU:HD22	1.73	0.53
3:Z:45:ARG:HG2	3:Z:46:ASN:ND2	2.22	0.53
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.53
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.53
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.08	0.53
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.53
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.57	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.53
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.53
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.53
1:C:502:LYS:CG	1:C:713:TYR:HH	1.86	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.53
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.53
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.53
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.53
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.53
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.53
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.56	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.53
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.53
1:C:742:ILE:HD12	1:C:742:ILE:C	2.32	0.53
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.53
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.53
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.53
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.53
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.53
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.53
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.53
1:C:254:THR:O	3:Z:95:ARG:NH1	2.40	0.53
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.53
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.59	0.53
1:C:182:LYS:NZ	1:C:461:ILE:O	2.25	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.53
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.72	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.57	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
3:Z:56:HIS:CD2	3:Z:56:HIS:C	2.85	0.53
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.53
1:C:165:THR:HB	1:C:715:GLU:O	2.08	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.53
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.38	0.53
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.53
3:Z:120:GLU:O	3:Z:123:ASP:OD1	2.25	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.53
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.53
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.53
1:C:498:GLU:HA	1:C:755:LEU:O	2.07	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.53
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:506:ALA:N	1:C:753:TYR:O	2.42	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.53
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.53
1:C:799:LYS:O	1:C:802:GLN:N	2.41	0.53
2:Y:127:MET:SD	2:Y:130:LYS:NZ	2.77	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.16	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:694:ASN:H	1:C:694:ASN:ND2	2.04	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.56	0.53
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.53
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.53
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.53
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.53
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.53
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.53
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.53
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.53
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.53
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.53
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.53
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.53
1:C:508:GLU:CA	1:C:763:LYS:HB3	2.37	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.53
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.53
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.53
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.53
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.53
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.53
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.53
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.53
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.53
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.53
1:C:31:LYS:O	1:C:48:ILE:HD12	2.07	0.53
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.53
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.53
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.53
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.53
1:C:500:TYR:HH	1:C:707:PHE:C	2.11	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.53
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.53
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.53
1:C:89:ALA:HB1	1:C:703:CYS:SG	2.47	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.53
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.53
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.53
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.53
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.53
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.53
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.53
1:C:76:SER:CB	1:C:93:TYR:CZ	2.91	0.53
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:502:LYS:CE	1:C:759:LYS:H	2.15	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.05	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.53
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.53
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.53
1:C:502:LYS:O	1:C:757:THR:HG23	2.09	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.53
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.53
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.53
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.53
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.43	0.53
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.53
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.53
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
1:C:800:LYS:O	1:C:801:LEU:HA	2.08	0.53
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.53
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.53
1:C:504:GLY:C	1:C:756:GLY:N	2.67	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.53
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.53
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.53
1:C:341:THR:HG1	1:C:344:GLU:HG2	1.72	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.53
1:C:341:THR:HG1	1:C:344:GLU:HG2	1.72	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
1:C:506:ALA:HB3	1:C:762:PHE:CB	2.38	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CD2	2:Y:141:TYR:CB	2.90	0.53
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.53
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.53
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.53
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.53
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.53
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
2:Y:30:ASP:O	2:Y:32:ASP:OD2	2.25	0.53
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.53
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.53
1:C:341:THR:HG1	1:C:344:GLU:HG2	1.72	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
1:C:500:TYR:CE1	1:C:707:PHE:HB3	2.31	0.53
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.63	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.16	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.53
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.56	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:499:GLU:CG	1:C:710:ARG:HH12	2.17	0.53
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.53
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.53
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.73	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.53
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.53
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.20	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.53
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.53
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.53
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.53
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.53
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.53
2:Y:104:LEU:N	3:Z:127:LYS:HD3	2.22	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.53
1:C:341:THR:HG1	1:C:344:GLU:HG2	1.72	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
1:C:502:LYS:NZ	1:C:756:GLY:O	2.37	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.57	0.53
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.91	0.53
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.21	0.53
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.53
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.53
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.53
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.53
1:C:499:GLU:CB	1:C:710:ARG:NH1	2.70	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.53
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.53
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.53
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.18	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
3:Z:21:TRP:CD1	3:Z:21:TRP:O	2.61	0.53
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.22	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
1:C:258:ALA:CB	3:Z:101:ILE:CD1	2.86	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.57	0.53
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.53
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.22	0.53
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.53
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.22	0.53
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.73	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.53
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.53
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.53
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.57	0.53
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.72	0.53
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.91	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.53
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.53
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.57	0.53
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.53
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.38	0.53
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.22	0.53
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.53
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.53
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.53
1:C:121:ILE:CG2	1:C:669:ARG:NH2	2.70	0.53
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.22	0.53
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.53
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.57	0.53
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.22	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.57	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.57	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:242:ARG:NH2	1:C:282:TYR:HB3	2.14	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.22	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.53
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.72	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.53
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.53
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.22	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.53
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.53
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.43	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.53
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.53
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.53
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.53
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.53
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.53
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.94	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.53
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.53
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.53
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.53
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.53
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.53
1:C:249:ILE:HG13	1:C:456:ILE:HG23	1.73	0.53
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.53
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.53
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.56	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.53
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:246:PHE:HZ	1:C:248:ARG:HH11	1.55	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.53
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.53
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
1:C:800:LYS:CE	1:C:804:GLN:HA	2.34	0.53
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.53
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.53
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.53
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.53
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.16	0.53
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
1:C:104:ARG:CZ	1:C:682:VAL:HG23	2.35	0.53
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:810:VAL:O	1:C:814:ASN:OD1	2.25	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
2:Y:138:LYS:HZ2	3:Z:126:ILE:HD13	1.66	0.53
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.53
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.53
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.53
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.53
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.22	0.53
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.53
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.08	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.53
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.21	0.53
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.53
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
1:C:76:SER:CB	1:C:93:TYR:CZ	2.90	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:254:THR:CB	1:C:782:ILE:CG2	2.43	0.53
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.53
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.53
1:C:76:SER:CB	1:C:93:TYR:CZ	2.90	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
1:C:76:SER:CB	1:C:93:TYR:CZ	2.90	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.53
1:C:509:PHE:CA	1:C:750:PRO:O	2.55	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.53
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.68	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.53
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.53
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.53
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.53
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.53
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
1:C:76:SER:CB	1:C:93:TYR:CZ	2.90	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.22	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.07	0.53
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.53
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.53
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
3:Z:100:PHE:CD1	3:Z:100:PHE:O	2.44	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.53
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.73	0.53
1:C:76:SER:CB	1:C:93:TYR:CZ	2.90	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.53
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.53
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.91	0.53
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
1:C:498:GLU:O	1:C:755:LEU:C	2.51	0.53
1:C:499:GLU:CB	1:C:761:PHE:CG	2.69	0.53
1:C:598:ASN:O	1:C:598:ASN:ND2	2.41	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
1:C:76:SER:CB	1:C:93:TYR:CZ	2.90	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
2:Y:106:ILE:CD1	2:Y:106:ILE:C	2.79	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:55:GLU:OE2	1:C:68:THR:CG2	2.56	0.53
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.53
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.53
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.53
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.87	0.53
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
2:Y:98:GLU:CG	3:Z:128:LEU:CD2	2.87	0.53
1:C:365:GLN:OE1	1:C:365:GLN:N	2.40	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.53
1:C:502:LYS:CB	1:C:713:TYR:CE1	2.91	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.53
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.53
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.53
1:C:500:TYR:HA	1:C:761:PHE:HB2	1.90	0.53
1:C:500:TYR:HA	1:C:761:PHE:CB	2.37	0.53
1:C:505:ILE:O	1:C:753:TYR:CG	2.56	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.53
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.53
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:517:GLN:O	1:C:521:ASP:N	2.36	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.53
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.53
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.53
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.53
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.53
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.57	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.53
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.53
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.53
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.53
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.53
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.72	0.53
1:C:490:HIS:HA	1:C:494:ILE:HG12	1.89	0.53
1:C:669:ARG:HD2	1:C:694:ASN:OD1	2.07	0.53
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.53
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
2:Y:103:LYS:O	3:Z:127:LYS:HB3	2.09	0.53
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.53
1:C:506:ALA:CA	1:C:752:GLU:HB3	2.39	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.53
3:Z:58:MET:O	3:Z:60:GLU:N	2.32	0.53
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.53
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.53
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:254:THR:CB	3:Z:95:ARG:NH2	2.72	0.53
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.53
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.53
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.53
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.91	0.53
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.53
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.53
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.53
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.17	0.53
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.53
1:C:561:MET:O	1:C:581:HIS:HD2	1.90	0.53
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.57	0.53
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.53
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
3:Z:21:TRP:CD1	3:Z:21:TRP:O	2.61	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:579:GLU:CD	1:C:579:GLU:O	2.45	0.53
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.53
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.53
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.53
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.53
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.53
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.53
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.53
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
3:Z:90:PHE:CE1	3:Z:101:ILE:CD1	2.90	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.53
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.53
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.53
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.53
2:Y:105:ASN:OD1	2:Y:108:TYR:HE1	1.90	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.53
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.53
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.53
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.53
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.53
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.53
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.53
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.53
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.53
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.53
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.53
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.53
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.53
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.53
2:Y:99:GLN:CG	3:Z:121:ASP:CB	2.76	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.53
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.53
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.53
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.53
1:C:792:TYR:CZ	2:Y:99:GLN:CG	2.85	0.53
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.53
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.53
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.53
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.53
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.53
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.09	0.53
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.70	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.57	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.53
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.53
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:385:PHE:CD2	1:C:386:LEU:HD12	2.34	0.53
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.53
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.53
1:C:503:GLU:CB	1:C:761:PHE:CD1	2.69	0.53
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.53
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.53
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.53
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.53
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.53
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.53
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.53
1:C:124:ASN:CG	1:C:673:PRO:HG3	2.30	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.38	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
1:C:85:LEU:CD2	1:C:88:MET:N	2.71	0.53
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.53
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.53
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.53
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.53
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.53
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.53
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.53
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.53
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.53
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.72	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.53
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.53
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.53
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.53
1:C:271:ARG:NE	1:C:275:GLN:OE1	2.38	0.53
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.53
1:C:502:LYS:HZ3	1:C:755:LEU:C	2.12	0.53
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.53
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.53
1:C:345:LYS:CG	1:C:349:PHE:HE2	2.21	0.53
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.53
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.53
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.28	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:516:LEU:O	1:C:517:GLN:C	2.49	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:785:PHE:CD1	3:Z:86:TYR:CE2	2.94	0.53
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.53
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.53
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.53
1:C:500:TYR:CD1	1:C:707:PHE:CG	2.96	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.53
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.53
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:579:GLU:CD	1:C:579:GLU:O	2.45	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:502:LYS:HG3	1:C:758:THR:N	2.04	0.53
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.53
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.53
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.53
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.53
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.53
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.53
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.53
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:85:LEU:HD21	1:C:88:MET:N	2.22	0.53
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.52	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:579:GLU:CD	1:C:579:GLU:O	2.45	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.53
1:C:773:MET:C	1:C:776:GLU:CB	2.68	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.53
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.53
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.53
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.53
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.53
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.53
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.53
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.53
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.53
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.53
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.53
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.53
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.53
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.53
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.53
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.48	0.53
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.42	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.87	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.53
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.74	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
2:Y:123:ASP:O	2:Y:127:MET:CG	2.56	0.53
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.53
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.53
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.53
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.53
1:C:503:GLU:O	1:C:760:VAL:HG12	2.09	0.53
2:Y:101:THR:HG21	3:Z:126:ILE:H	1.73	0.53
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.53
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.57	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.53
1:C:573:GLN:O	1:C:573:GLN:NE2	2.36	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.53
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.53
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.53
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.53
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.53
1:C:500:TYR:CB	1:C:761:PHE:CB	2.86	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.53
3:Z:56:HIS:O	3:Z:56:HIS:CD2	2.61	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.53
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.53
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.53
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.53
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.53
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:485:GLN:OE1	1:C:485:GLN:O	2.25	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.53
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.53
1:C:503:GLU:C	1:C:757:THR:H	2.17	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.53
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.53
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.38	0.53
1:C:32:LYS:C	1:C:48:ILE:HD13	2.32	0.53
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.53
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.53
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.53
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.53
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.19	0.53
1:C:496:GLU:OE2	1:C:708:PRO:CB	2.55	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.53
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.53
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.53
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.53
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.53
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.53
1:C:500:TYR:OH	1:C:707:PHE:N	2.37	0.53
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.53
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.73	0.53
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.07	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.18	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
1:C:219:ILE:HG22	1:C:446:LEU:HD21	1.89	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.91	0.53
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.53
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.53
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.53
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.53
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.53
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.53
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.53
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.53
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.53
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.53
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.53
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.53
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.19	0.53
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.53
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.53
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.53
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.53
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.53
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.19	0.53
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.53
2:Y:116:MET:HE1	3:Z:21:TRP:CD1	2.44	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.74	0.53
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:501:LYS:O	1:C:760:VAL:HG12	2.09	0.53
1:C:503:GLU:CB	1:C:760:VAL:CG2	2.47	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:507:TRP:HE3	1:C:707:PHE:CE1	2.18	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.53
1:C:799:LYS:C	1:C:801:LEU:N	2.67	0.53
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.53
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:505:ILE:HD13	1:C:761:PHE:CG	2.36	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.53
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.53
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.53
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.53
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.70	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.53
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.53
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.53
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.53
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.53
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.53
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
2:Y:116:MET:HE1	3:Z:21:TRP:CD1	2.44	0.53
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.53
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.53
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.53
1:C:159:ALA:O	1:C:170:GLN:HG3	2.07	0.53
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.53
2:Y:116:MET:HE1	3:Z:21:TRP:CD1	2.44	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.53
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.53
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.53
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.53
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.53
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.53
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.53
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.87	0.53
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.53
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.53
1:C:742:ILE:HD12	1:C:743:LEU:N	2.22	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.53
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.53
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.53
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53
1:C:503:GLU:OE2	1:C:759:LYS:CA	2.57	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.53
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.53
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.53
1:C:144:ARG:HB3	1:C:774:ARG:HB3	1.87	0.53
1:C:157:ASP:OD1	1:C:774:ARG:NH2	2.41	0.53
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:384:ALA:HB2	1:C:394:LEU:HD12	1.89	0.53
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.44	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.53
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.53
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.53
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:370:GLU:OE1	1:C:371:GLN:O	2.22	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.53
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.38	0.53
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.53
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.53
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:781:ILE:HD13	3:Z:89:ALA:HB2	1.81	0.53
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.53
3:Z:21:TRP:O	3:Z:21:TRP:CD1	2.61	0.53
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.53
1:C:492:MET:O	1:C:496:GLU:HG3	2.08	0.53
1:C:505:ILE:HB	1:C:761:PHE:CD1	2.44	0.53
1:C:505:ILE:CD1	1:C:761:PHE:HB2	2.39	0.53
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.53
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.53
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.53
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.53
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.19	0.53
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.53
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.53
1:C:370:GLU:OE1	1:C:371:GLN:O	2.22	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.53
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.53
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.53
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.53
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.53
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.53
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.53
2:Y:116:MET:HE1	3:Z:21:TRP:CD1	2.44	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.53
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.53
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.53
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.53
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.53
1:C:370:GLU:OE1	1:C:371:GLN:O	2.22	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.53
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.53
1:C:260:ALA:O	1:C:446:LEU:HB3	2.07	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.53
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.53
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.53
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.53
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.53
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.53
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.53
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.53
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.53
1:C:370:GLU:OE1	1:C:371:GLN:O	2.22	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.53
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.53
1:C:370:GLU:OE1	1:C:371:GLN:O	2.22	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:785:PHE:CB	3:Z:86:TYR:CD2	2.84	0.53
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:502:LYS:CB	1:C:759:LYS:H	2.22	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.53
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.53
1:C:370:GLU:OE1	1:C:371:GLN:O	2.22	0.53
1:C:496:GLU:CA	1:C:710:ARG:NE	2.69	0.53
1:C:503:GLU:OE1	1:C:760:VAL:HG12	2.08	0.53
1:C:506:ALA:N	1:C:754:ARG:HD3	2.21	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.53
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.53
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.53
1:C:370:GLU:OE1	1:C:371:GLN:O	2.22	0.53
1:C:500:TYR:HB2	1:C:754:ARG:CB	2.28	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:696:VAL:O	1:C:700:ILE:HG12	2.08	0.53
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.53
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.53
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
1:C:796:LYS:HZ1	3:Z:128:LEU:HD22	1.74	0.53
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.53
2:Y:99:GLN:HE21	3:Z:127:LYS:HG2	1.74	0.53
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.53
1:C:221:GLN:CB	1:C:337:ILE:CD1	2.85	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.53
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.53
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.53
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.53
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.53
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.53
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.53
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.53
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.53
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.53
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.53
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.53
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.53
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.53
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.53
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.53
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.53
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.53
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.53
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.53
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.53
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
1:C:796:LYS:HD3	2:Y:98:GLU:CB	2.38	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:505:ILE:CG1	1:C:754:ARG:HB3	2.29	0.53
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.53
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.16	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.53
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.53
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.53
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
1:C:800:LYS:O	1:C:804:GLN:HB3	2.09	0.53
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.53
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.53
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.53
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.53
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.53
1:C:810:VAL:HG23	1:C:811:ILE:CG2	2.37	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.53
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.53
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.53
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.53
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:499:GLU:CG	1:C:710:ARG:HH12	2.18	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.72	0.53
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.53
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.53
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.53
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.53
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.53
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.53
1:C:503:GLU:OE2	1:C:759:LYS:N	2.41	0.53
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.09	0.53
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.53
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.53
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.53
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.53
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.53
1:C:24:GLN:CD	1:C:24:GLN:C	2.62	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.53
1:C:138:ALA:HB1	3:Z:113:LEU:CA	2.31	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.53
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.53
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.53
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.53
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.53
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.53
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.53
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.53
1:C:505:ILE:CG2	1:C:761:PHE:HB2	2.38	0.53
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.53
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.53
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.53
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.53
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.53
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.53
1:C:338:LEU:CB	1:C:340:PHE:CD2	2.85	0.53
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.53
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.53
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.53
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.53
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.73	0.53
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.53
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.53
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.53
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.53
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:494:ILE:O	1:C:754:ARG:CB	2.55	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.53
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.53
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.53
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.53
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.53
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.53
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.53
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.53
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.53
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.53
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.53
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.53
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.53
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:144:ARG:CD	1:C:774:ARG:CZ	2.87	0.53
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.39	0.53
1:C:353:ALA:O	1:C:357:HIS:HD2	1.91	0.53
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.53
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.53
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.53
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.53
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.53
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.53
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.53
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.53
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.53
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.87	0.53
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.73	0.53
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.53
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.53
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.53
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.53
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.53
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.53
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.53
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.53
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.53
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.53
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.53
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.53
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.53
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.53
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.53
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.53
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.53
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.53
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.53
1:C:505:ILE:CB	1:C:761:PHE:CG	2.63	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.53
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.53
3:Z:108:HIS:CD2	3:Z:108:HIS:C	2.86	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.53
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.53
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.53
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.53
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.53
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.53
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.53
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.53
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.53
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.53
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.53
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:500:TYR:CD2	1:C:707:PHE:CB	2.88	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.53
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:801:LEU:HG	3:Z:17:LEU:HD11	1.90	0.53
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.08	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.53
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.53
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.53
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.53
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.53
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.53
1:C:6:SER:CB	3:Z:46:ASN:HD21	2.20	0.53
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.53
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
1:C:703:CYS:HA	1:C:708:PRO:HG3	1.91	0.53
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.53
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.53
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.53
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.53
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.53
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.53
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.53
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.53
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.53
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.53
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
2:Y:116:MET:HE1	3:Z:21:TRP:CD1	2.44	0.53
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.53
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.53
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:502:LYS:O	1:C:757:THR:CG2	2.57	0.53
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.73	0.53
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.53
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.53
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.53
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.53
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.53
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.39	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.53
1:C:310:SER:HA	1:C:313:ASN:ND2	2.24	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.53
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.53
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.53
1:C:689:HIS:C	1:C:689:HIS:CD2	2.87	0.53
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.53
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.53
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.53
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.53
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.53
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.53
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.53
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.53
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.53
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.53
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.53

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.53
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.53
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.53
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.53
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.53
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.53
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.53
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.52
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.52
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.52
2:Y:116:MET:HE1	3:Z:21:TRP:CD1	2.44	0.52
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.52
1:C:701:ARG:HG2	1:C:705:LYS:CE	2.38	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.57	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.52
1:C:506:ALA:HA	1:C:753:TYR:HB3	1.89	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.52
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.52
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:449:LYS:HZ1	3:Z:140:LYS:CE	2.22	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.52
1:C:497:GLN:C	1:C:754:ARG:HB2	2.16	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.52
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.52
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.57	0.52
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.52
1:C:345:LYS:HG2	1:C:349:PHE:HE2	1.73	0.52
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.52
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.52
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.87	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.52
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.52
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.52
1:C:31:LYS:O	1:C:48:ILE:HD12	2.08	0.52
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.52
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.52
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.52
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.69	0.52
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.52
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
2:Y:116:MET:HE1	3:Z:21:TRP:CD1	2.44	0.52
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.52
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.52
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.52
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.52
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.52
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:800:LYS:CA	1:C:804:GLN:CB	2.53	0.52
1:C:86:GLU:OE2	1:C:150:PRO:CG	2.40	0.52
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.52
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.52
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.52
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.52
1:C:469:PHE:CE1	1:C:590:SER:HB3	2.43	0.52
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.52
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.52
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.52
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.52
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.52
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.52
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.52
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.52
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.52
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.52
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.52
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.52
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.52
1:C:428:LYS:O	1:C:432:ASP:OD2	2.28	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.52
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.52
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.34	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.44	0.52
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.52
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.52
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.08	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.52
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.52
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.52
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.52
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.52
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.52
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.52
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.97	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:525:LYS:HG3	1:C:526:PRO:HD2	0.83	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.87	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.52
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.52
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.52
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.52
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.52
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.52
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.52
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.52
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
3:Z:58:MET:HG2	3:Z:59:GLY:N	2.23	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.57	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.52
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.52
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.39	0.52
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.52
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.52
1:C:166:ASP:CG	1:C:715:GLU:HB3	2.32	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.52
1:C:496:GLU:O	1:C:710:ARG:NH2	2.40	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.52
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.52
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.52
2:Y:101:THR:CB	3:Z:124:GLU:C	2.82	0.52
2:Y:142:VAL:N	3:Z:127:LYS:NZ	2.57	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.52
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.52
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.52
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.52
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.52
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.52
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.52
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.52
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.68	0.52
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.52
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.18	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.72	0.52
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.52
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.52
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.52
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.52
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.52
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.87	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.52
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.52
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.52
1:C:783:SER:HB2	3:Z:45:ARG:HD2	1.89	0.52
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.52
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:497:GLN:O	1:C:754:ARG:HB3	1.88	0.52
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.52
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.52
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.52
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.52
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.52
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.52
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:500:TYR:OH	1:C:707:PHE:CA	2.55	0.52
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.52
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.52
1:C:811:ILE:N	1:C:814:ASN:OD1	2.41	0.52
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.52
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.52
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.52
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.52
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.52
1:C:500:TYR:O	1:C:753:TYR:HB2	2.08	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.52
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.52
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.52
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.91	0.52
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.52
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.52
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.52
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.52
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.74	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.52
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.52
2:Y:116:MET:HE1	3:Z:21:TRP:CD1	2.44	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.92	0.52
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.52
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.01	0.52
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.52
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.52
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.52
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.52
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.27	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.52
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:68:THR:C	1:C:69:VAL:HG13	2.33	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.52
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.52
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.52
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.73	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.27	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.52
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.52
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.52
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.52
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.74	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.52
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:694:ASN:HD22	1:C:695:GLY:N	2.06	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.52
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.52
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.52
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.39	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.52
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.52
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.52
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.52
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.74	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.52
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
2:Y:101:THR:CA	3:Z:127:LYS:CE	2.86	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.52
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.52
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.52
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.52
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.52
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
1:C:529:ILE:C	1:C:529:ILE:HD12	2.33	0.52
1:C:696:VAL:O	1:C:700:ILE:HG12	2.07	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.92	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.44	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.52
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.52
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.52
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.52
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.52
1:C:113:TYR:CD2	1:C:150:PRO:CA	2.91	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.39	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.52
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.52
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.74	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.52
1:C:711:LEU:HD22	1:C:719:ARG:HH22	1.49	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.57	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
2:Y:85:SER:HG	2:Y:88:THR:H	1.51	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.52
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.52
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.52
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.52
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.52
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.45	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.52
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.45	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.52
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.45	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:509:PHE:HB3	1:C:751:ALA:N	2.24	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.52
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.52
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.52
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.52
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.52
3:Z:117:LEU:CD2	3:Z:118:SER:O	2.47	0.52
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.52
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.52
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.73	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.52
1:C:507:TRP:CE3	1:C:707:PHE:HD1	2.14	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.45	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:507:TRP:HB3	1:C:754:ARG:CD	2.39	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.57	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.52
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
1:C:807:GLY:O	2:Y:92:ALA:HB1	2.08	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.45	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:HG12	1:C:751:ALA:O	2.09	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.45	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:772:GLU:OE1	1:C:776:GLU:OE1	2.27	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.52
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.52
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.52
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.87	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:788:HIS:CE1	3:Z:149:MET:CA	2.65	0.52
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.52
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.52
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.52
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.52
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.52
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.52
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.52
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.52
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.52
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.52
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.52
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.52
1:C:501:LYS:CD	1:C:753:TYR:CD1	2.87	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.52
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.52
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.57	0.52
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.52
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.52
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.92	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.52
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.52
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.39	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.52
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.52
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.52
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.92	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.52
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.52
1:C:143:LYS:HG2	1:C:148:ILE:CG2	2.34	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.52
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.52
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.52
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.43	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.52
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.52
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.52
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.52
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.52
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:139:LYS:O	1:C:143:LYS:HD3	2.08	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.73	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.39	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.22	0.52
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.52
1:C:237:ASN:HB2	1:C:240:SER:HG	1.75	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.27	0.52
1:C:165:THR:HG22	1:C:718:GLN:CG	2.38	0.52
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
2:Y:138:LYS:CD	3:Z:126:ILE:CD1	2.87	0.52
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.52
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.52
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.52
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.52
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.03	0.52
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.17	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.52
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.75	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.52
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.52
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.52
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.52
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.52
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.52
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.52
1:C:160:TYR:OH	1:C:255:GLY:O	2.21	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.52
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.03	0.52
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.17	0.52
1:C:499:GLU:HG3	1:C:710:ARG:CB	2.39	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.52
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:832:LYS:HZ1	2:Y:48:GLY:N	2.08	0.52
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.57	0.52
1:C:160:TYR:OH	1:C:255:GLY:O	2.21	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.52
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.03	0.52
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.17	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.52
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.45	0.52
1:C:160:TYR:OH	1:C:255:GLY:O	2.21	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.52
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.52
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.52
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.03	0.52
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.17	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.52
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.52
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.52
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:47:GLU:CD	1:C:59:LYS:HB3	2.29	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.52
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.03	0.52
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.17	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.52
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.03	0.52
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.17	0.52
1:C:504:GLY:CA	1:C:755:LEU:HG	2.40	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.73	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.52
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:119:ASP:HA	3:Z:122:VAL:CG1	2.38	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.52
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.03	0.52
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.17	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.86	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
2:Y:117:GLY:CA	3:Z:20:PHE:CZ	2.93	0.52
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:490:HIS:CD2	1:C:490:HIS:C	2.86	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.92	0.52
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.39	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.27	0.52
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.52
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.52
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.52
1:C:711:LEU:HD13	1:C:719:ARG:NH2	2.23	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.52
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.28	0.52
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.52
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.52
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.52
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.52
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
2:Y:85:SER:HG	2:Y:88:THR:HG23	0.70	0.52
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.39	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:135:SER:O	3:Z:113:LEU:CA	2.39	0.52
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.52
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.70	0.52
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.52
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.28	0.52
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.52
2:Y:141:TYR:CG	2:Y:141:TYR:O	2.61	0.52
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.39	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:507:TRP:CZ3	1:C:706:GLY:C	2.86	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.52
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.52
1:C:417:ASN:HD22	1:C:418:GLN:N	2.07	0.52
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.52
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.52
2:Y:148:ILE:C	2:Y:148:ILE:HD12	2.33	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.39	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.56	0.52
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.52
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.12	0.52
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.41	0.52
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.52
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.52
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.52
1:C:505:ILE:CG1	1:C:754:ARG:NE	2.62	0.52
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.52
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.52
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.52
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52
1:C:798:TYR:O	1:C:801:LEU:N	2.42	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.52
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.52
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.52
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.24	0.52
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.52
1:C:722:ILE:O	1:C:777:ARG:CD	2.57	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.57	0.52
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.39	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.52
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.52
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.52
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.52
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.91	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.92	0.52
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:216:GLU:N	1:C:218:GLN:HE22	2.07	0.52
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:500:TYR:CE1	1:C:707:PHE:CG	2.92	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.52
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:216:GLU:N	1:C:218:GLN:HE22	2.07	0.52
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.52
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:216:GLU:N	1:C:218:GLN:HE22	2.07	0.52
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:510:ILE:HD12	1:C:707:PHE:CE1	2.44	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.52
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.52
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.52
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
2:Y:132:ALA:CA	2:Y:139:PHE:HE1	2.20	0.52
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.52
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.52
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.52
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.52
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.38	0.52
1:C:555:HIS:CD2	1:C:559:ASN:ND2	2.62	0.52
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.52
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:216:GLU:N	1:C:218:GLN:HE22	2.07	0.52
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.52
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.52
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.52
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.52
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.52
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:216:GLU:N	1:C:218:GLN:HE22	2.07	0.52
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:800:LYS:HG2	1:C:804:GLN:HB2	1.92	0.52
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.52
1:C:499:GLU:HB3	1:C:710:ARG:CB	2.40	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:216:GLU:N	1:C:218:GLN:HE22	2.07	0.52
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:505:ILE:C	1:C:755:LEU:CA	2.81	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.52
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.52
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.52
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.52
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.52
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.52
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.52
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.52
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.52
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.52
1:C:704:ARG:O	1:C:764:ALA:HB2	2.08	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.39	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
2:Y:117:GLY:CA	3:Z:20:PHE:CZ	2.93	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.92	0.52
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.52
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.87	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
2:Y:100:GLU:O	3:Z:127:LYS:N	2.22	0.52
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.52
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.52
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.87	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.10	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.57	0.52
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.52
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.52
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.52
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.34	0.52
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.52
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.52
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.92	0.52
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.52
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.52
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.52
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.87	0.52
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.52
1:C:234:THR:HG1	1:C:240:SER:HG	1.56	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:437:TRP:HD1	1:C:441:ARG:NH2	2.04	0.52
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.52
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.52
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.52
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.52
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.52
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.52
1:C:599:LYS:O	1:C:599:LYS:CG	2.56	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.52
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.10	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.52
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.43	0.52
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.52
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.52
1:C:417:ASN:HD22	1:C:418:GLN:N	2.07	0.52
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.52
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.52
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.52
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.70	0.52
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.52
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
2:Y:99:GLN:HG3	3:Z:121:ASP:O	2.08	0.52
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.52
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:689:HIS:C	1:C:689:HIS:CD2	2.87	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.52
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.52
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.52
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.52
1:C:216:GLU:N	1:C:218:GLN:HE22	2.06	0.52
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.52
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.52
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.52
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.52
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:256:LYS:HD2	3:Z:109:VAL:HA	1.86	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:495:LEU:HB3	1:C:710:ARG:CD	2.20	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.52
2:Y:117:GLY:CA	3:Z:20:PHE:HD1	1.98	0.52
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.52
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
1:C:796:LYS:CE	2:Y:98:GLU:HB3	1.79	0.52
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.52
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.52
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.52
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.52
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:467:PHE:CD2	1:C:469:PHE:N	2.67	0.52
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.74	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.52
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.52
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.52
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.52
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.52
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.52
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.52
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.11	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.73	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.52
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.87	0.52
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.52
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.52
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.52
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.52
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.57	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.52
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.08	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.52
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.52
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.18	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.52
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.43	0.52
2:Y:86:GLU:O	2:Y:89:ILE:CD1	2.56	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.39	0.52
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.52
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.52
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.75	0.52
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.52
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:383:VAL:CG2	1:C:384:ALA:N	2.70	0.52
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.52
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.14	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.52
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.52
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.14	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.75	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.75	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.52
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.52
1:C:144:ARG:CG	1:C:774:ARG:CD	2.88	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.52
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.17	0.52
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:534:GLU:CD	1:C:644:THR:HG1	2.12	0.52
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.52
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.52
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.52
1:C:505:ILE:CD1	1:C:753:TYR:HB3	2.23	0.52
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.52
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.52
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.52
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.14	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.27	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.52
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.52
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.52
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.52
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.52
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.52
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.52
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.52
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.92	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:519:CYS:SG	1:C:520:ILE:N	2.82	0.52
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.52
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.52
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.52
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.27	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.52
1:C:789:ILE:CB	2:Y:99:GLN:CD	2.58	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.52
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.14	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.52
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.52
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.52
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.52
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.52
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52
1:C:85:LEU:HD13	1:C:85:LEU:C	2.09	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.45	0.52
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.52
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.52
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.52
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.52
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.18	0.52
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.52
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.52
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.52
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.52
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.52
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.52
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.90	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.02	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:799:LYS:C	1:C:802:GLN:H	2.13	0.52
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.52
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.52
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:507:TRP:C	1:C:751:ALA:CA	2.60	0.52
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.52
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.52
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.52
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.52
2:Y:117:GLY:CA	3:Z:20:PHE:CZ	2.93	0.52
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.52
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.52
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.52
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.52
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:503:GLU:HG3	1:C:710:ARG:CA	2.40	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.52
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.52
1:C:282:TYR:HE2	1:C:284:ILE:HG22	1.71	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.52
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.52
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.52
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.52
1:C:234:THR:HG1	1:C:240:SER:HG	1.56	0.52
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.52
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.52
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:573:GLN:O	1:C:573:GLN:NE2	2.36	0.52
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.52
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:746:LEU:HB3	1:C:748:MET:SD	2.49	0.52
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.52
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.28	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.52
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:573:GLN:O	1:C:573:GLN:NE2	2.36	0.52
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.52
1:C:675:GLU:OE1	1:C:676:LEU:CG	2.56	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.52
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.72	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.52
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.52
2:Y:108:TYR:CZ	3:Z:120:GLU:OE2	2.63	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.52
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.43	0.52
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.52
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.74	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.52
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.74	0.52
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.52
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.52
1:C:234:THR:HG1	1:C:240:SER:HG	1.56	0.52
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.52
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
2:Y:117:GLY:CA	3:Z:20:PHE:CZ	2.93	0.52
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:165:THR:HB	1:C:715:GLU:CA	2.34	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.52
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.67	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:144:ARG:CZ	1:C:719:ARG:CZ	2.87	0.52
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.52
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.52
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.52
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.52
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.52
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.52
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.52
1:C:234:THR:HG1	1:C:240:SER:HG	1.56	0.52
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.52
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:720:TYR:CZ	1:C:770:LEU:HB3	2.43	0.52
2:Y:117:GLY:CA	3:Z:20:PHE:CZ	2.93	0.52
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.52
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.74	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.52
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.52
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.52
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.52
1:C:654:ASN:C	1:C:654:ASN:HD22	2.17	0.52
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.52
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.57	0.52
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:335:PHE:CZ	1:C:340:PHE:CG	2.80	0.52
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.52
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:800:LYS:HA	1:C:804:GLN:H	1.75	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.27	0.52
3:Z:45:ARG:HG2	3:Z:46:ASN:HD22	1.73	0.52
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.52
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.52
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.52
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.52
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.52
1:C:832:LYS:HZ3	2:Y:48:GLY:N	2.03	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.52
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.52
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.52
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.52
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.52
1:C:234:THR:HG1	1:C:240:SER:HG	1.56	0.52
1:C:261:ASP:HA	1:C:443:ASN:ND2	2.23	0.52
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.52
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.52
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.74	0.52
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.52
1:C:144:ARG:CZ	1:C:719:ARG:NH1	2.47	0.52
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.59	0.52
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.52
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.52
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.72	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.52
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.09	0.52
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
1:C:507:TRP:CE2	1:C:763:LYS:NZ	2.59	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.52
1:C:785:PHE:HZ	3:Z:144:PHE:CE2	2.26	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.52
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:164:VAL:HG22	1:C:778:LEU:HD13	1.83	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.92	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
1:C:507:TRP:HH2	1:C:706:GLY:C	2.07	0.52
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.52
1:C:234:THR:HG1	1:C:240:SER:HG	1.57	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.52
2:Y:117:GLY:CA	3:Z:20:PHE:CZ	2.93	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.52
1:C:234:THR:HG1	1:C:240:SER:HG	1.57	0.52
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.52
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.18	0.52
1:C:323:ASP:OD1	1:C:325:VAL:HB	2.08	0.52
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.52
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.52
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:832:LYS:HE2	2:Y:47:LEU:HB2	1.83	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.52
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.52
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.52
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.92	0.52
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.52
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.52
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.52
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.52
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.52
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.52
1:C:143:LYS:CG	3:Z:95:ARG:CZ	2.86	0.52
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.52
1:C:715:GLU:HA	3:Z:91:LYS:HE3	1.85	0.52
1:C:774:ARG:NE	1:C:778:LEU:HD12	2.25	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.52
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.52
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.52
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.52
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.52
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.52
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.52
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
1:C:417:ASN:HD22	1:C:418:GLN:N	2.07	0.52
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.39	0.52
1:C:499:GLU:O	1:C:761:PHE:N	2.43	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
1:C:417:ASN:HD22	1:C:418:GLN:N	2.07	0.52
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.39	0.52
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.92	0.52
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.52
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
2:Y:117:GLY:CA	3:Z:20:PHE:CZ	2.93	0.52
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
1:C:144:ARG:NH1	1:C:719:ARG:NH1	2.58	0.52
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.52
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.52
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.52
1:C:801:LEU:CD2	3:Z:21:TRP:HZ3	2.21	0.52
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.52
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.92	0.52
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
1:C:417:ASN:HD22	1:C:418:GLN:N	2.07	0.52
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.39	0.52
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.52
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.52
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.52
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.52
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.52
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.52
1:C:280:ARG:NH2	1:C:283:HIS:CG	2.77	0.52
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.52
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.52
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.52
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.52
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.52
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.52
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.52
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.10	0.52
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.52
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:417:ASN:HD22	1:C:418:GLN:N	2.07	0.52
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.52
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.52
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:55:GLU:CD	1:C:68:THR:CB	2.69	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.92	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.52
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.91	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
1:C:417:ASN:HD22	1:C:418:GLN:N	2.07	0.52
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.39	0.52
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.52
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.52
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.52
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.52
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.52
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
1:C:94:LEU:CD1	1:C:700:ILE:HB	2.29	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.52
1:C:231:ASN:HD22	1:C:241:SER:CA	2.10	0.52
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.52
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.52
1:C:613:SER:HG	1:C:618:VAL:HG23	1.72	0.52
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.52
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.52
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.52
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.52
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.74	0.52
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.52
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.74	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.52
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.52
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.52
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.52
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.52
1:C:800:LYS:O	1:C:803:ASP:OD1	2.27	0.52
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:CD1	2:Y:106:ILE:C	2.79	0.52
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.52
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.74	0.52
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.52
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.74	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.52
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.74	0.52
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.52
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.74	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.27	0.52
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:370:GLU:OE1	1:C:371:GLN:O	2.22	0.52
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.52
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.52
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:32:LYS:CA	1:C:48:ILE:HD11	2.15	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.52
2:Y:145:THR:O	2:Y:148:ILE:HG13	2.09	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.52
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.52
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.52
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.74	0.52
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.52
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.74	0.52
1:C:750:PRO:HA	1:C:753:TYR:CE2	2.43	0.52
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.52
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.52
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.52
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.52
1:C:234:THR:HG1	1:C:240:SER:HG	1.53	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.52
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.52
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.52
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.57	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.74	0.52
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.52
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.74	0.52
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.52
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.52
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.52
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.52
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.52
1:C:499:GLU:HB2	1:C:710:ARG:HG2	1.92	0.52
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.52
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.52
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.74	0.52
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.52
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.74	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.52
1:C:504:GLY:O	1:C:755:LEU:CD1	2.58	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.97	0.52
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.28	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.52
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.52
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.52
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.52
1:C:712:ILE:CD1	1:C:715:GLU:CG	2.59	0.52
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.18	0.52
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.64	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.52
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.52
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.52
1:C:796:LYS:CE	2:Y:98:GLU:CB	2.76	0.52
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.52
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.52
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.52
1:C:500:TYR:HB2	1:C:754:ARG:CB	2.36	0.52
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.52
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.52
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.52
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.52
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.52
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.52
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:161:GLN:CG	1:C:719:ARG:CD	2.75	0.52
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.52
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.52
1:C:193:LEU:CD1	1:C:251:PHE:CZ	2.83	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.52
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.52
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.52
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.90	0.52
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.52
2:Y:106:ILE:O	2:Y:109:ILE:HD11	2.05	0.52
2:Y:116:MET:HE1	3:Z:21:TRP:CD1	2.44	0.52
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.52
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.52
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.52
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.52
2:Y:98:GLU:CG	3:Z:128:LEU:HG	2.38	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.52
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.52
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.52
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.52
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.52
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.52
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.52
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.52
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.52
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.52
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.52
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.52
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.52
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.52
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.52
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.52
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.52
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:311:PHE:CE1	1:C:312:ILE:HG22	2.31	0.52
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.52
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.52
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.52
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.52
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.52
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.52
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.52
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.52
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.52
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.52
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.52
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.52
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.52
1:C:506:ALA:CA	1:C:766:VAL:CG1	1.81	0.52
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.52
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.52
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.52
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.52
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.52
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.52
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.52
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.52
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.52
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.52
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.52
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.52
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.52
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.52
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.52
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.52
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.52
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:370:GLU:OE1	1:C:371:GLN:O	2.23	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.52
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.52
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.52
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.52
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.52
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.52
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.52
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.52
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.52
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
1:C:508:GLU:HB2	1:C:752:GLU:OE1	2.10	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.52
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.52
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.52
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.52
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.52
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.52
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.52
1:C:370:GLU:OE1	1:C:371:GLN:O	2.22	0.52
1:C:725:PRO:CG	3:Z:85:ASP:CG	2.65	0.52
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.52
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.52
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
1:C:144:ARG:CG	1:C:774:ARG:NH2	2.68	0.52
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.52
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.52
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.52
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.52
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.52
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.52
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.52
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.52
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.52
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
1:C:500:TYR:CB	1:C:754:ARG:CB	2.74	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.52
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.52
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.52
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.57	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.45	0.52
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.52
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.52
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.52
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.52
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.52
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.52
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.52
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.52
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.52
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.52
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.52
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:423:VAL:CG2	1:C:424:GLY:H	2.21	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.39	0.52
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.74	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.52
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.52
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.52
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.52
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.52
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.52
1:C:499:GLU:CG	1:C:710:ARG:HD3	2.32	0.52
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.52
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.52
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.92	0.52
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.52
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.52
1:C:801:LEU:CG	3:Z:17:LEU:HD21	2.22	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:507:TRP:CZ3	1:C:706:GLY:O	2.63	0.52
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.52
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.52
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.27	0.52
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.52
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.52
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.52
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.52
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.52
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.52
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.52
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.52
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.52
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.52
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.06	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.52
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.52
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.52
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.52
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.52
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.41	0.52
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.52
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.52
2:Y:105:ASN:O	2:Y:108:TYR:HB2	2.08	0.52
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.52
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.52
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.52
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.52
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.52
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.52
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.52
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.52
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.52
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.92	0.52
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.52
1:C:101:TYR:O	1:C:105:SER:OG	2.20	0.52
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.52
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.52
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.52
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.52
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.52
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.52
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.52
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.52
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.52
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.52
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.52
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.52
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.52
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.52
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.52
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.52
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.52
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.52
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.52

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.52
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.52
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.52
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.52
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.52
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.52
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.92	0.52
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.52
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.52
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.52
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.52
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.52
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.52
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.52
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.52
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.52
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.52
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.52
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.52
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.52
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.52
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.52
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.52
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.52
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.52
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.52
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.52
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.52
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.51
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.51
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.51
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.51
1:C:801:LEU:HD21	3:Z:21:TRP:CH2	2.41	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.51
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.51
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.51
1:C:137:ILE:C	1:C:137:ILE:HD12	2.35	0.51
1:C:256:LYS:HB2	3:Z:95:ARG:CZ	2.32	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:423:VAL:CG2	1:C:424:GLY:H	2.22	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.51
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.51
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.51
1:C:804:GLN:NE2	1:C:808:LEU:HG	2.24	0.51
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.51
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.51
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.51
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.51
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.51
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.51
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.21	0.51
1:C:101:TYR:O	1:C:105:SER:OG	2.20	0.51
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.51
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.51
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.51
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.51
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.51
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.51
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.51
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.51
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.51
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.51
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.51
1:C:507:TRP:HZ3	1:C:707:PHE:HA	1.28	0.51
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.51
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.75	0.51
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:101:TYR:O	1:C:105:SER:OG	2.20	0.51
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.51
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.51
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.51
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.51
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.51
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.51
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.51
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.51
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.51
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.51
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.51
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.51
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.51
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.51
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.51
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.51
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.51
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.51
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.51
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.51
1:C:76:SER:HB2	1:C:93:TYR:CZ	2.44	0.51
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.51
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.51
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.51
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.51
1:C:503:GLU:HB3	1:C:760:VAL:CG2	2.33	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.51
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.51
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.51
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.51
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.51
1:C:367:PRO:O	1:C:368:ARG:HB2	2.08	0.51
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.51
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.51
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.51
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.51
1:C:145:LYS:HG2	1:C:158:ASN:HD21	1.71	0.51
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.51
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.51
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.51
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.92	0.51
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.51
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.51
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.51
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.51
1:C:358:MET:CE	1:C:426:LEU:HB3	2.34	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.51
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.51
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.51
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.51
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.51
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.51
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.51
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.51
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:792:TYR:OH	3:Z:125:ILE:HA	2.02	0.51
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.51
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.51
2:Y:116:MET:HE1	3:Z:21:TRP:CD1	2.44	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.51
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.51
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.51
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.51
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.51
1:C:256:LYS:CB	3:Z:95:ARG:NH2	2.71	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.51
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.51
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.51
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.51
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.75	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.51
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.51
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:HG12	1:C:754:ARG:HB2	1.84	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.51
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.51
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.51
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.54	0.51
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.51
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.51
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.51
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.51
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.51
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.51
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.51
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.51
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.58	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.51
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.27	0.51
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.51
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.51
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.51
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.51
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.51
1:C:234:THR:HG1	1:C:240:SER:HG	1.56	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.51
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.51
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.51
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.51
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.51
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.51
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.51
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.51
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.51
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.51
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.51
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.51
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.51
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.51
1:C:147:GLU:CG	1:C:771:GLU:C	2.71	0.51
1:C:148:ILE:CG2	1:C:775:ASP:CB	2.88	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.51
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.51
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.51
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.51
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.51
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:505:ILE:HA	1:C:767:LEU:CG	2.36	0.51
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.51
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.51
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.51
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.51
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.51
1:C:24:GLN:O	1:C:24:GLN:NE2	2.35	0.51
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.58	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
2:Y:117:GLY:CA	3:Z:20:PHE:CZ	2.93	0.51
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.51
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.57	0.51
1:C:225:VAL:HG23	1:C:226:LEU:N	2.23	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.51
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.73	0.51
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.51
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.51
1:C:508:GLU:HB2	1:C:766:VAL:CG1	2.40	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.51
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.51
1:C:800:LYS:O	1:C:804:GLN:HB2	2.10	0.51
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.20	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.51
1:C:510:ILE:CD1	1:C:707:PHE:CE2	2.86	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.51
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.51
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.51
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.51
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.51
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.51
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.51
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.51
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.51
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.51
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.51
1:C:101:TYR:O	1:C:105:SER:OG	2.20	0.51
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.28	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.51
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.51
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.51
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.51
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.51
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.44	0.51
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.15	0.51
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.51
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.51
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51
1:C:505:ILE:CG2	1:C:753:TYR:O	2.51	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.51
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.51
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.51
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.51
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:167:ARG:HD2	1:C:718:GLN:CD	2.35	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.51
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.51
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.51
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.51
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.51
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.51
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.51
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.51
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.51
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.51
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.51
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.51
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.51
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.51
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.51
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.51
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.51
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.51
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:137:ILE:C	1:C:137:ILE:HD12	2.34	0.51
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.51
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.92	0.51
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.51
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.51
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.51
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.51
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.92	0.51
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.51
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.51
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.51
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.51
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.51
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.51
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.51
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.51
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.51
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.51
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.51
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.51
1:C:505:ILE:CG2	1:C:761:PHE:CG	2.87	0.51
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.51
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.51
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.51
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.51
1:C:500:TYR:O	1:C:761:PHE:CB	2.59	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.51
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.51
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.51
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.51
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.51
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.51
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.51
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.51
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.51
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.51
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.51
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.51
1:C:507:TRP:CZ3	1:C:707:PHE:HD1	2.28	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.51
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.51
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.19	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.51
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.51
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.51
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.51
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.51
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.51
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.51
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.51
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
1:C:799:LYS:NZ	1:C:806:ILE:HG12	2.24	0.51
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.51
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.51
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.51
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.51
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.92	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.51
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:800:LYS:C	1:C:802:GLN:N	2.68	0.51
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.51
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.51
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.51
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.51
1:C:358:MET:HE2	1:C:423:VAL:O	2.08	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.44	0.51
1:C:164:VAL:H	1:C:774:ARG:HE	1.52	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.51
1:C:496:GLU:OE1	1:C:709:SER:HA	2.10	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.51
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:510:ILE:HG21	1:C:763:LYS:HZ3	1.75	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.51
1:C:801:LEU:HD13	3:Z:17:LEU:HD11	1.90	0.51
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.27	0.51
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.51
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:501:LYS:HD3	1:C:755:LEU:HA	0.56	0.51
1:C:501:LYS:HE2	1:C:755:LEU:CD2	2.39	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51
1:C:294:PRO:O	1:C:297:ASN:ND2	2.42	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.44	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.51
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:573:GLN:CD	1:C:573:GLN:C	2.62	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.75	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.51
1:C:505:ILE:HG13	1:C:506:ALA:N	1.82	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.51
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:503:GLU:OE1	1:C:760:VAL:N	2.39	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.51
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.51
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.51
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.51
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.59	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.51
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.92	0.51
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.51
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.87	0.51
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.51
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.51
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.11	0.51
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.51
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.51
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.44	0.51
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.51
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.51
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.75	0.51
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.11	0.51
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.51
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.51
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.51
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.51
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.51
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.51
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.51
1:C:717:LYS:C	3:Z:88:GLU:OE1	2.50	0.51
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.51
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.51
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.51
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.51
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.51
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.51
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.51
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.51
1:C:503:GLU:CD	1:C:759:LYS:CA	2.83	0.51
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.74	0.51
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.51
1:C:749:ASP:C	1:C:753:TYR:CE2	2.87	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.51
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.27	0.51
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.51
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.28	0.51
1:C:170:GLN:HB2	1:C:456:ILE:HD13	1.91	0.51
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.51
1:C:472:PHE:HD1	1:C:594:TRP:CD2	2.22	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.51
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.51
1:C:799:LYS:CE	1:C:806:ILE:CD1	2.75	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.18	0.51
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.51
3:Z:18:PHE:CD2	3:Z:28:VAL:HB	2.44	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.51
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.11	0.51
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.51
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
2:Y:117:GLY:CA	3:Z:20:PHE:CZ	2.93	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:506:ALA:H	1:C:754:ARG:NE	2.00	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
3:Z:117:LEU:O	3:Z:117:LEU:CG	2.56	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:13:LEU:CG	1:C:131:ILE:HD13	2.38	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.51
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.51
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.51
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.51
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.51
1:C:781:ILE:CG1	1:C:782:ILE:N	2.68	0.51
2:Y:138:LYS:HZ3	3:Z:123:ASP:HA	0.47	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:280:ARG:NH2	1:C:283:HIS:CA	2.69	0.51
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.76	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.51
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.51
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.51
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:256:LYS:CA	3:Z:95:ARG:NH1	2.73	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.75	0.51
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.92	0.51
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.51
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.51
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.51
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.51
2:Y:117:GLY:CA	3:Z:20:PHE:HA	2.40	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.51
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.51
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.51
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.51
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.51
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.51
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.51
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.75	0.51
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.51
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.51
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.51
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.19	0.51
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.51
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.51
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.51
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:503:GLU:HG3	1:C:710:ARG:HA	1.92	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.51
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.51
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.51
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.51
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.12	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.75	0.51
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.19	0.51
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.51
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.39	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.51
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.51
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.51
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:163:MET:SD	1:C:170:GLN:CB	2.98	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.51
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.51
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.51
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.51
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.51
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.51
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.75	0.51
2:Y:101:THR:HA	3:Z:126:ILE:CD1	2.41	0.51
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.51
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.51
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.12	0.51
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.45	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.51
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.51
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:220:ILE:HD12	1:C:220:ILE:C	2.36	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.45	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.12	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.51
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.51
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.51
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.51
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.51
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.58	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.51
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.27	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.51
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.51
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.51
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.39	0.51
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.51
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.10	0.51
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:145:LYS:HB3	1:C:768:GLY:CA	2.32	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.51
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.51
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.12	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.11	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.51
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:503:GLU:CA	1:C:759:LYS:O	2.57	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.51
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.51
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.51
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.51
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
1:C:85:LEU:C	1:C:85:LEU:CD2	2.74	0.51
1:C:140:TYR:CD1	1:C:141:ARG:HA	2.44	0.51
1:C:506:ALA:CB	1:C:754:ARG:HA	2.40	0.51
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.51
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.57	0.51
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.71	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.51
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.51
2:Y:106:ILE:HD12	2:Y:109:ILE:CD1	2.23	0.51
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.51
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.57	0.51
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51
1:C:503:GLU:CD	1:C:759:LYS:HZ3	2.19	0.51
1:C:509:PHE:HD1	1:C:753:TYR:N	2.07	0.51
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.71	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.51
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.57	0.51
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51
1:C:509:PHE:HB3	1:C:751:ALA:CA	2.40	0.51
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.71	0.51
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.51
2:Y:108:TYR:HH	3:Z:123:ASP:CG	2.17	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.51
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.51
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.51
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.51
2:Y:85:SER:HG	2:Y:88:THR:H	1.52	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.46	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.75	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.51
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.51
1:C:248:ARG:HD2	1:C:457:GLY:CA	2.40	0.51
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.51
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.51
1:C:773:MET:O	1:C:777:ARG:HG3	2.09	0.51
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.51
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.87	0.51
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.51
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.51
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.27	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.51
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.51
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.57	0.51
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.71	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:157:ASP:N	1:C:192:TYR:HE2	2.07	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.51
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.51
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.57	0.51
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.71	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.51
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.51
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.51
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:502:LYS:CE	1:C:759:LYS:N	2.55	0.51
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.51
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.51
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.57	0.51
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.51
1:C:475:LEU:HG	1:C:589:TYR:CD1	2.44	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.71	0.51
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.51
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.18	0.51
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.51
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
1:C:220:ILE:HD12	1:C:220:ILE:C	2.36	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.51
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
1:C:801:LEU:HD22	3:Z:21:TRP:CZ3	2.46	0.51
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.51
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.51
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.51
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:193:LEU:CD1	1:C:251:PHE:CZ	2.83	0.51
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.72	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.51
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.51
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.51
1:C:505:ILE:HG12	1:C:709:SER:CA	2.25	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.51
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.51
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.51
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.51
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.51
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.51
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:5:PHE:HZ	1:C:780:LYS:CG	2.09	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.51
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.51
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.92	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.11	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.51
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.51
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.51
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.51
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.51
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.51
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
2:Y:98:GLU:HB2	3:Z:128:LEU:CD2	2.23	0.51
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.51
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.11	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.58	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:314:GLN:CG	1:C:315:GLY:N	2.64	0.51
1:C:615:GLU:CD	1:C:617:LEU:H	2.16	0.51
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.51
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.69	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
2:Y:85:SER:HG	2:Y:88:THR:H	1.50	0.51
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.51
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51
1:C:43:PHE:CG	1:C:97:ALA:HB2	2.44	0.51
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.51
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.49	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:225:VAL:HG23	1:C:226:LEU:N	2.24	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.51
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.51
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.51
1:C:788:HIS:NE2	3:Z:149:MET:HA	2.19	0.51
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.51
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.81	0.51
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.51
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.51
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.19	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.51
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.74	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.51
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.51
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.51
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.51
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.51
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.51
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.91	0.51
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:502:LYS:C	1:C:755:LEU:CD1	2.72	0.51
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.75	0.51
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.51
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.19	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.51
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.51
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.19	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.51
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.73	0.51
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.51
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.51
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.19	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.51
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
3:Z:145:VAL:O	3:Z:148:VAL:CG2	2.58	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.75	0.51
1:C:32:LYS:O	1:C:48:ILE:HD13	2.09	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.51
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.19	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.14	0.51
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.19	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.51
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.51
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.19	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.51
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.74	0.51
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:801:LEU:CD2	3:Z:21:TRP:HZ3	2.21	0.51
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.51
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.51
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.51
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.51
1:C:818:TRP:HZ2	1:C:822:ARG:NH2	2.06	0.51
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.51
2:Y:122:LYS:O	2:Y:125:MET:HB3	2.09	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.51
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.51
1:C:781:ILE:C	1:C:781:ILE:HD12	2.34	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.51
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.51
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.51
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.51
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.51
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.51
1:C:498:GLU:HB3	1:C:755:LEU:HB3	1.91	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:722:ILE:O	1:C:777:ARG:HD2	2.10	0.51
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.51
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.67	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
2:Y:98:GLU:CD	3:Z:124:GLU:HB3	2.33	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.51
1:C:800:LYS:HA	1:C:803:ASP:OD1	2.11	0.51
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.51
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.51
1:C:141:ARG:HD3	3:Z:93:PHE:CD1	2.45	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.91	0.51
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.51
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.51
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.73	0.51
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.51
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.51
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.51
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.51
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.51
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.51
1:C:502:LYS:HE3	1:C:757:THR:HG22	1.92	0.51
1:C:505:ILE:N	1:C:760:VAL:C	2.69	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
3:Z:96:GLU:CD	3:Z:100:PHE:CE1	2.80	0.51
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.51
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.51
1:C:311:PHE:HE1	1:C:312:ILE:HB	1.01	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.51
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.44	0.51
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.51
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.11	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.51
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.51
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.75	0.51
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.51
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.51
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51
1:C:379:GLU:OE1	1:C:379:GLU:N	2.34	0.51
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.51
3:Z:11:LEU:HD23	3:Z:40:LEU:HD12	1.86	0.51
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.51
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.51
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:175:THR:CG2	1:C:667:PHE:CE1	2.91	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.51
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.51
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.51
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51
1:C:516:LEU:O	1:C:520:ILE:CD1	2.57	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.51
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.51
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.51
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.51
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.51
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.91	0.51
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.51
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.51
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.51
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.51
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.51
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:508:GLU:N	1:C:763:LYS:CG	2.72	0.51
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.51
1:C:798:TYR:CA	1:C:801:LEU:HG	2.40	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.51
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.51
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.51
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:516:LEU:HB3	1:C:520:ILE:CD1	2.40	0.51
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.51
1:C:146:THR:HG1	1:C:771:GLU:CB	2.21	0.51
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.51
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.51
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.51
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.51
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.51
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.51
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.51
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.51
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.51
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.51
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.51
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.51
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.51
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.51
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.51
1:C:810:VAL:CG2	1:C:811:ILE:HG23	2.39	0.51
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.51
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.51
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.51
1:C:12:TYR:HE1	1:C:13:LEU:CD2	2.22	0.51
1:C:86:GLU:OE1	1:C:106:ARG:CZ	2.57	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.51
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:495:LEU:O	1:C:761:PHE:CE2	2.57	0.51
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.51
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.76	0.51
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.51
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.51
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.91	0.51
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.51
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.51
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.51
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.51
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.51
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.51
1:C:171:SER:N	1:C:666:HIS:NE2	2.52	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:274:TYR:C	1:C:275:GLN:HG2	2.35	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:310:SER:HA	1:C:313:ASN:ND2	2.24	0.51
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:310:SER:HA	1:C:313:ASN:ND2	2.24	0.51
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.51
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.51
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.51
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.51
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.51
1:C:7:ASP:CB	3:Z:114:GLY:C	2.83	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.51
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.51
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.51
1:C:780:LYS:O	1:C:783:SER:N	2.43	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.51
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.51
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.51
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.51
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:310:SER:HA	1:C:313:ASN:ND2	2.24	0.51
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.51
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.51
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.51
1:C:519:CYS:HG	1:C:520:ILE:HD12	1.73	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.51
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.51
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.51
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.51
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.51
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.51
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.51
1:C:428:LYS:O	1:C:432:ASP:OD2	2.28	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.59	0.51
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.45	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:465:GLU:OE1	1:C:466:ILE:N	2.42	0.51
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.51
1:C:142:GLY:C	1:C:774:ARG:NE	2.68	0.51
1:C:704:ARG:O	1:C:763:LYS:NZ	2.42	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.51
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.51
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.51
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:490:HIS:CA	1:C:494:ILE:HG12	2.40	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
2:Y:100:GLU:H	3:Z:128:LEU:CD1	2.23	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:310:SER:HA	1:C:313:ASN:ND2	2.24	0.51
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.51
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.75	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.51
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.51
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.51
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.75	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.51
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.51
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.51
1:C:115:TYR:CD1	1:C:150:PRO:HB3	2.45	0.51
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.51
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.51
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:417:ASN:HD22	1:C:418:GLN:N	2.07	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.51
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.51
1:C:501:LYS:CG	1:C:750:PRO:O	2.59	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.51
1:C:85:LEU:HD21	1:C:88:MET:SD	2.50	0.51
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.51
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.51
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.51
1:C:164:VAL:HG12	1:C:778:LEU:HG	1.84	0.51
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.51
1:C:790:ARG:CB	3:Z:38:ARG:NH1	2.72	0.51
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.51
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.51
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.51
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.51
1:C:500:TYR:CE2	1:C:707:PHE:HB2	2.45	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.51
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.51
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.51
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.51
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.51
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.51
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.51
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.51
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.51
1:C:216:GLU:O	1:C:219:ILE:CG1	2.58	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.51
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.51
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.51
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.51
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.51
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.51
1:C:504:GLY:O	1:C:755:LEU:HB2	0.69	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.51
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.51
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.51
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.51
1:C:34:CYS:SG	1:C:35:TRP:N	2.83	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.51
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.51
3:Z:90:PHE:CG	3:Z:141:TYR:CG	2.95	0.51
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.51
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.51
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.74	0.51
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.51
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.51
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.51
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.75	0.51
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.51
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.51
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.51
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.51
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.51
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.51
2:Y:117:GLY:CA	3:Z:20:PHE:CZ	2.93	0.51
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.51
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.51
1:C:534:GLU:CD	1:C:644:THR:HG1	2.13	0.51
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.51
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.51
2:Y:99:GLN:HA	3:Z:124:GLU:OE1	2.10	0.51
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:220:ILE:HD12	1:C:220:ILE:C	2.36	0.51
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.51
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.51
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
1:C:792:TYR:HE1	2:Y:98:GLU:HB2	1.70	0.51
1:C:801:LEU:HG	3:Z:17:LEU:HD11	1.92	0.51
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.51
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.51
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.51
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
1:C:89:ALA:CB	1:C:703:CYS:SG	2.98	0.51
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.51
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.51
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.51
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.75	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.97	0.51
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.51
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.51
1:C:417:ASN:HD22	1:C:418:GLN:N	2.07	0.51
3:Z:69:LEU:CB	3:Z:70:PRO:CD	2.88	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:500:TYR:HE1	1:C:707:PHE:C	2.19	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.51
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.51
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.11	0.51
1:C:800:LYS:CE	1:C:804:GLN:CB	2.80	0.51
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
1:C:107:TYR:C	1:C:109:SER:H	2.18	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:220:ILE:HD12	1:C:220:ILE:C	2.36	0.51
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.51
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.51
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.51
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.51
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
1:C:735:GLY:C	1:C:738:VAL:HG22	2.34	0.51
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.51
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
2:Y:116:MET:C	3:Z:20:PHE:HZ	2.18	0.51
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.51
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.51
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.51
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.51
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.38	0.51
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.51
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.51
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.51
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.51
3:Z:121:ASP:O	3:Z:125:ILE:CD1	2.57	0.51
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.51
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.51
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.51
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.51
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.51
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.51
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.51
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.51
1:C:723:LEU:CA	1:C:777:ARG:HE	2.03	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51
1:C:306:SER:HG	1:C:317:LEU:HD22	1.75	0.51
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.51
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.51
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.51
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.91	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.51
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.51
1:C:236:ARG:HH11	1:C:465:GLU:CG	2.14	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.51
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.51
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.51
1:C:231:ASN:ND2	1:C:241:SER:CA	2.54	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.51
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.51
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.51
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.51
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.51
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.51
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.51
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.51
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.51
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.51
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51
1:C:306:SER:HG	1:C:317:LEU:HD22	1.75	0.51
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.51
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.51
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.51
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.51
1:C:510:ILE:HG22	1:C:763:LYS:CE	2.41	0.51
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.51
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.51
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.51
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.51
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.58	0.51
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.51
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.51
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.51
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51
1:C:306:SER:HG	1:C:317:LEU:HD22	1.75	0.51
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.51
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.51
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.51
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.51
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.87	0.51
2:Y:84:ASP:OD2	2:Y:88:THR:OG1	2.27	0.51
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.51
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.51
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.51
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51
1:C:306:SER:HG	1:C:317:LEU:HD22	1.75	0.51
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.51
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.51
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.51
1:C:505:ILE:CG1	1:C:761:PHE:HB2	2.38	0.51
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.51
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.51
1:C:503:GLU:CG	1:C:759:LYS:HB3	2.40	0.51
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.51
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.51
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.51
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.51
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.51
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51
1:C:306:SER:HG	1:C:317:LEU:HD22	1.75	0.51
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.51
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.51
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.51
1:C:713:TYR:HD2	1:C:739:SER:HG	1.59	0.51
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.51
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.51
1:C:508:GLU:CB	1:C:751:ALA:CA	2.89	0.51
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.51
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.51
2:Y:24:PHE:CD1	2:Y:28:ASP:OD2	2.63	0.51
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.51
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51
1:C:306:SER:HG	1:C:317:LEU:HD22	1.75	0.51
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.51
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.51
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.51
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
2:Y:113:LEU:HB3	2:Y:120:PHE:CD2	2.44	0.51
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.51
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.51
1:C:280:ARG:CZ	1:C:283:HIS:HA	2.40	0.51
1:C:306:SER:HG	1:C:317:LEU:HD22	1.75	0.51
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.51
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.51
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.51
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.51
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.51
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.51
1:C:253:PRO:HB2	3:Z:93:PHE:CZ	2.46	0.51
1:C:257:ILE:O	1:C:257:ILE:CG1	2.50	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
3:Z:5:GLN:CA	3:Z:8:ILE:HD11	2.19	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.51
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.94	0.51
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.51
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.51
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.51
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.51
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.51
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.51
1:C:159:ALA:HB1	1:C:666:HIS:CE1	2.45	0.51
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.51
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.51
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.51
1:C:800:LYS:HD2	2:Y:95:MET:O	2.10	0.51
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.51
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.51
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.51
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.54	0.51
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.51
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.51
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.51
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.51
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.51
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.51
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.51
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.51
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.51
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.51
1:C:257:ILE:O	1:C:257:ILE:CG1	2.50	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.51
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.51
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.51
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.51
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.51
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.51
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.51
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.51
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.51
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.11	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.51
1:C:257:ILE:O	1:C:257:ILE:CG1	2.50	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.51
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.51
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.51
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.51
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.51
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.51
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.51
1:C:488:PHE:HE2	1:C:492:MET:HE1	1.74	0.51
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.51
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.51
1:C:321:ASN:O	1:C:322:ILE:HD13	2.10	0.51
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.51
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.51
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.51
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.51
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.51
1:C:257:ILE:O	1:C:257:ILE:CG1	2.50	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.51
2:Y:105:ASN:N	3:Z:123:ASP:OD2	2.44	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.51
1:C:144:ARG:NE	1:C:147:GLU:OE1	2.37	0.51
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.51
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.51
1:C:390:ASN:ND2	1:C:393:ASP:H	2.08	0.51
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.51
1:C:502:LYS:NZ	1:C:755:LEU:C	2.68	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.51
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.51
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.51
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.51
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.51
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.51
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.51
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.51
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.51
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.51
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.51
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.51
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.51
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.51
1:C:722:ILE:O	1:C:777:ARG:HD3	2.11	0.51
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.51
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.51
3:Z:122:VAL:CA	3:Z:125:ILE:CD1	2.80	0.51
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.51
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.51
1:C:313:ASN:HD22	1:C:313:ASN:N	1.95	0.51
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.51
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.51
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.51
1:C:800:LYS:HA	1:C:803:ASP:OD1	2.11	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.51
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.51
1:C:507:TRP:CE3	1:C:707:PHE:HD1	2.07	0.51
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.51
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.51
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.51
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.51
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.51
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.51
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.51
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:500:TYR:CE1	1:C:707:PHE:HD1	2.18	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.51
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.51
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.51
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.51
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.51
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.51
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.51
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.51
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.51
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.51
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.51
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.47	0.51
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.58	0.51
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.51
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.51
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.51
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
1:C:146:THR:HB	1:C:768:GLY:CA	2.41	0.51
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.51
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.51
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.51
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.29	0.51
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.46	0.51
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.51
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.22	0.51
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.51
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.51
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.51
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.51
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.51
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.51
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.51
1:C:174:ILE:HD13	1:C:182:LYS:CA	2.17	0.51
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.51
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.51
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.74	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.51
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.51
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.51
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.51
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.77	0.51
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.51
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.51
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.51
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.51
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:505:ILE:HG21	1:C:763:LYS:N	2.25	0.51
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.51
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.51
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.51
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.51
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.29	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.51
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.29	0.51
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.64	0.51
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.51
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.51
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.51
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.51
3:Z:117:LEU:CD1	3:Z:117:LEU:C	2.68	0.51
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.64	0.51
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.51
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.51
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.28	0.51
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.51
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.51
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.51
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.51
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.51
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.51
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.51
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.51
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.51
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.51
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.51
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.51
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.51
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.51
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.05	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.51
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.51
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.51
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.51
1:C:254:THR:HG1	3:Z:95:ARG:NH2	2.07	0.51
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.51
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.41	0.51
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.51
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.76	0.51
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.51
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.51
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.51
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.51
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.51
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.51
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.51
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.51
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.51
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.51
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
1:C:505:ILE:HD11	1:C:753:TYR:HB3	1.87	0.51
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.51
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.51
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.51
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.51
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.51
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.51
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.94	0.51
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.51
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.51
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.51
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.51
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.51
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.51
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.51
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.51
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.51
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.51
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.51
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.51
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.51
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.51
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.51
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.51
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.51
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.51
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.51
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.51
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.51
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.51
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.51
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.51
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.29	0.51
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.51
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.51
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.51
1:C:474:GLN:O	1:C:477:ILE:HG13	2.09	0.51
1:C:615:GLU:OE1	1:C:616:PRO:N	2.43	0.51
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.51
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.51
1:C:799:LYS:C	1:C:801:LEU:N	2.69	0.51
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.51
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.51
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.94	0.51

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.51
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.94	0.51
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.51
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.51
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.51
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.51
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.51
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.51
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.51
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.51
1:C:293:ILE:CG2	1:C:328:PHE:CE2	2.89	0.51
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.51
1:C:501:LYS:CE	1:C:740:GLU:OE1	2.56	0.51
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.51
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.51
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.51
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.51
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.51
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.46	0.51
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
1:C:266:LEU:HD23	1:C:649:HIS:NE2	2.20	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.50
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.50
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.50
1:C:144:ARG:HG3	1:C:147:GLU:CG	2.09	0.50
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.50
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.57	0.50
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.50
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.50
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.02	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.94	0.50
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.50
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.29	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50
1:C:237:ASN:HB2	1:C:240:SER:HG	1.76	0.50
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.50
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.94	0.50
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.50
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.50
1:C:503:GLU:OE1	1:C:759:LYS:CE	2.59	0.50
1:C:506:ALA:HA	1:C:767:LEU:HB2	1.92	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
1:C:800:LYS:CE	1:C:804:GLN:HG2	2.36	0.50
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.94	0.50
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.50
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.50
1:C:506:ALA:N	1:C:762:PHE:N	2.49	0.50
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.41	0.50
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.50
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.50
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.50
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.50
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:268:GLU:OE2	1:C:271:ARG:HB3	2.10	0.50
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.50
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.50
1:C:694:ASN:HD22	1:C:695:GLY:H	1.58	0.50
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.94	0.50
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.50
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.50
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.50
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.50
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.50
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.50
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.42	0.50
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.94	0.50
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.50
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.50
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.50
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.50
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.50
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.50
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.50
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.92	0.50
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.94	0.50
1:C:347:SER:CB	1:C:617:LEU:HD12	2.40	0.50
1:C:479:TYR:CE1	1:C:523:ILE:CG1	2.91	0.50
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.50
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.50
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.50
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:484:LEU:HD23	1:C:485:GLN:N	2.23	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.50
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.50
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.50
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.50
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.50
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.36	0.50
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.50
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.50
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.50
1:C:428:LYS:O	1:C:432:ASP:OD2	2.28	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.50
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.50
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.50
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.36	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
1:C:722:ILE:O	1:C:777:ARG:HD3	2.11	0.50
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.50
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.50
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.50
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.50
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.50
1:C:501:LYS:NZ	1:C:753:TYR:CE1	2.65	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.50
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.50
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.50
1:C:722:ILE:O	1:C:777:ARG:HD3	2.11	0.50
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.50
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.50
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:484:LEU:HD23	1:C:485:GLN:N	2.23	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.50
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.50
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.50
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.50
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.50
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.50
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.50
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.94	0.50
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.36	0.50
1:C:428:LYS:O	1:C:432:ASP:OD2	2.27	0.50
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.03	0.50
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.50
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.50
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.50
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.50
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:484:LEU:HD23	1:C:485:GLN:N	2.23	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.50
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.50
1:C:722:ILE:O	1:C:777:ARG:HD3	2.11	0.50
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:HE2	2.28	0.50
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.50
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.50
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.50
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.50
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.50
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:129:LEU:CD1	1:C:129:LEU:C	2.75	0.50
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.50
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.50
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.50
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.50
1:C:503:GLU:HB3	1:C:756:GLY:HA3	1.93	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.50
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.50
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.50
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.94	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.50
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.50
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.50
1:C:428:LYS:O	1:C:432:ASP:OD2	2.28	0.50
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.29	0.50
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.50
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.50
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:484:LEU:HD23	1:C:485:GLN:N	2.23	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.50
1:C:519:CYS:O	1:C:523:ILE:HG22	2.10	0.50
2:Y:102:LYS:HE2	3:Z:130:ASP:N	2.26	0.50
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.11	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.50
1:C:506:ALA:HB1	1:C:754:ARG:HH11	1.76	0.50
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.50
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.75	0.50
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.50
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.50
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50
1:C:254:THR:CB	3:Z:95:ARG:HH21	2.25	0.50
1:C:467:PHE:CG	1:C:468:ASP:N	2.47	0.50
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:497:GLN:O	1:C:754:ARG:HD3	2.10	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.50
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.50
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.59	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.11	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.50
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.50
1:C:808:LEU:CD1	3:Z:20:PHE:HE2	2.24	0.50
2:Y:16:GLN:O	2:Y:20:MET:CG	2.48	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.50
3:Z:4:SER:O	3:Z:7:GLU:HB2	2.10	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:495:LEU:CA	1:C:755:LEU:HB2	2.23	0.50
1:C:496:GLU:O	1:C:500:TYR:HD2	1.83	0.50
1:C:499:GLU:O	1:C:711:LEU:N	2.44	0.50
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:501:LYS:HD3	1:C:755:LEU:HD23	1.92	0.50
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.50
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.50
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:722:ILE:O	1:C:777:ARG:HD3	2.10	0.50
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.50
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.50
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.50
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.11	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.50
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.50
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.50
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.50
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.50
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.76	0.50
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.50
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.11	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.50
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.50
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.50
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.11	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.50
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.50
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.50
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.50
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.50
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.50
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.50
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.11	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.50
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:500:TYR:HB2	1:C:754:ARG:CG	2.40	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.11	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.50
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.50
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.11	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.50
1:C:579:GLU:O	1:C:579:GLU:CD	2.45	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:253:PRO:HB2	3:Z:93:PHE:HZ	1.76	0.50
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.50
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.50
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.50
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.50
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.92	0.50
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.50
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.50
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.50
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:774:ARG:CG	1:C:778:LEU:CD1	2.90	0.50
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.50
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.94	0.50
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.50
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.50
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:505:ILE:CG1	1:C:754:ARG:HG3	2.35	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.50
1:C:506:ALA:C	1:C:763:LYS:O	2.50	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.46	0.50
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.50
1:C:501:LYS:HB2	1:C:754:ARG:NE	2.27	0.50
1:C:503:GLU:OE1	1:C:758:THR:N	2.44	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.50
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.50
1:C:505:ILE:HD13	1:C:754:ARG:CB	2.19	0.50
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.50
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.50
1:C:145:LYS:HB2	1:C:768:GLY:HA2	1.93	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.50
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.50
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.26	0.50
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.36	0.50
1:C:284:ILE:O	1:C:287:GLN:N	2.41	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
1:C:799:LYS:CE	1:C:806:ILE:HG12	2.40	0.50
1:C:800:LYS:HG3	1:C:804:GLN:HB2	1.93	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:148:VAL:HG23	3:Z:149:MET:N	2.24	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.50
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.50
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.50
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.50
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.50
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.50
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.50
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.50
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.50
1:C:832:LYS:HE3	2:Y:47:LEU:HB2	1.71	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.50
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.50
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.50
1:C:353:ALA:O	1:C:357:HIS:HD2	1.90	0.50
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.42	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:93:PHE:C	2:Y:95:MET:H	2.20	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:143:LYS:HB3	1:C:148:ILE:CD1	2.31	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.50
1:C:834:LYS:CB	1:C:835:PRO:CD	2.69	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:800:LYS:CG	1:C:804:GLN:HG3	2.40	0.50
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.50
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.50
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.50
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.50
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.50
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.50
1:C:536:GLU:CG	1:C:547:PHE:CD1	2.93	0.50
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.50
1:C:800:LYS:HA	1:C:805:ARG:N	2.19	0.50
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.50
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
1:C:12:TYR:CE1	1:C:13:LEU:CD2	2.93	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.50
1:C:498:GLU:C	1:C:761:PHE:N	2.69	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.50
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.50
1:C:24:GLN:HG3	1:C:80:PRO:O	2.10	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.50
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.50
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.29	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.50
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:796:LYS:HZ1	3:Z:128:LEU:HD22	1.74	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.50
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.50
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
1:C:772:GLU:O	1:C:775:ASP:N	2.35	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.50
1:C:504:GLY:CA	1:C:760:VAL:O	2.59	0.50
1:C:508:GLU:N	1:C:763:LYS:CB	2.66	0.50
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.50
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.50
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.42	0.50
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.50
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.42	0.50
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.50
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.50
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.50
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.50
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:24:GLN:HG3	1:C:80:PRO:O	2.10	0.50
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.73	0.50
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.50
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.77	0.50
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.50
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.50
1:C:104:ARG:CZ	1:C:682:VAL:HG23	2.35	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.12	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.77	0.50
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.50
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.50
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.50
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:811:ILE:O	1:C:815:ILE:CG2	2.59	0.50
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.50
2:Y:85:SER:HG	2:Y:88:THR:H	1.56	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.50
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.50
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.50
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.50
1:C:805:ARG:CG	3:Z:21:TRP:HA	2.41	0.50
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.50
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:800:LYS:HA	1:C:803:ASP:OD1	2.11	0.50
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:13:LEU:HD12	1:C:131:ILE:HD13	1.84	0.50
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.50
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:800:LYS:HA	1:C:803:ASP:OD1	2.11	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.50
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.29	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.50
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.50
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.50
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.50
3:Z:37:CYS:HB2	3:Z:42:ILE:HG12	1.91	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:163:MET:SD	1:C:170:GLN:HG2	2.50	0.50
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.50
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.50
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.94	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.50
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:502:LYS:CE	1:C:755:LEU:HD22	2.38	0.50
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.94	0.50
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.50
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.50
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.50
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.50
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.46	0.50
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.50
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.29	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.50
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.94	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.50
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:502:LYS:CE	1:C:757:THR:HG22	2.41	0.50
1:C:503:GLU:N	1:C:755:LEU:O	2.43	0.50
1:C:800:LYS:HE2	1:C:804:GLN:HG2	1.89	0.50
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.50
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.50
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.50
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.50
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.92	0.50
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.75	0.50
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.50
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.36	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.50
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.50
1:C:484:LEU:HD23	1:C:485:GLN:N	2.23	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.50
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.94	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.50
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:233:LYS:CD	1:C:319:VAL:HG12	2.40	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.50
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.94	0.50
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.50
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.50
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.50
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.50
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.50
1:C:265:TYR:CE2	1:C:266:LEU:HB2	2.45	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.50
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.50
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.50
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.11	0.50
1:C:242:ARG:HD3	1:C:271:ARG:HD3	1.92	0.50
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.50
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
2:Y:24:PHE:O	2:Y:28:ASP:OD2	2.28	0.50
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.50
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.50
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
3:Z:147:LYS:O	3:Z:150:ALA:HB3	2.10	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.50
1:C:490:HIS:NE2	1:C:494:ILE:HD11	2.20	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.42	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.29	0.50
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.50
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.92	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.76	0.50
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.50
1:C:180:ALA:CB	1:C:670:CYS:HG	2.24	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.42	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.50
3:Z:117:LEU:HD13	3:Z:117:LEU:H	1.72	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.50
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
2:Y:29:VAL:O	2:Y:31:ARG:HG2	2.10	0.50
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.50
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.50
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.10	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.42	0.50
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.50
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.50
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.50
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.36	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.50
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.50
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.50
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.42	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.50
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.94	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.50
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.50
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.50
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.35	0.50
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.50
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.50
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.50
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.50
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.50
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.50
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.50
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.50
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.50
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.50
1:C:800:LYS:HZ2	1:C:807:GLY:N	2.06	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.36	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.50
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.50
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.50
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.50
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.50
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.50
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.50
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.50
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.50
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.50
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.50
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.50
2:Y:93:PHE:C	2:Y:95:MET:H	2.20	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.36	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.50
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
1:C:800:LYS:HA	1:C:803:ASP:OD1	2.11	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.50
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.50
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.50
2:Y:127:MET:SD	2:Y:130:LYS:NZ	2.77	0.50
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.50
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.50
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.50
1:C:503:GLU:CA	1:C:756:GLY:HA2	2.37	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
1:C:749:ASP:O	1:C:753:TYR:CD2	2.64	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.50
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.50
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:148:ILE:HG23	1:C:775:ASP:HB2	1.91	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.50
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.50
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.50
1:C:220:ILE:HD12	1:C:220:ILE:C	2.36	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.50
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.50
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.73	0.50
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.50
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.50
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.50
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.50
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.50
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.42	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.50
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
2:Y:106:ILE:CD1	2:Y:106:ILE:C	2.79	0.50
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.50
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.50
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.91	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.29	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.50
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.50
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.50
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.50
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.50
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.50
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.50
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
1:C:253:PRO:O	1:C:782:ILE:HD13	2.07	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:256:LYS:O	3:Z:93:PHE:CG	2.53	0.50
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.50
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.50
1:C:804:GLN:NE2	1:C:808:LEU:CD1	2.68	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.50
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.50
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.50
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.50
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.50
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.50
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.50
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
1:C:144:ARG:NH1	1:C:720:TYR:CZ	2.79	0.50
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:234:THR:HG1	1:C:240:SER:HG	1.54	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:503:GLU:CB	1:C:761:PHE:CE1	2.94	0.50
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.50
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.50
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.50
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.50
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.50
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.50
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.50
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.50
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.50
1:C:416:MET:O	1:C:419:VAL:CG2	2.59	0.50
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.50
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.50
1:C:704:ARG:HH21	1:C:705:LYS:NZ	2.08	0.50
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.73	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.42	0.50
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
1:C:237:ASN:HB2	1:C:240:SER:HG	1.76	0.50
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.50
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.50
1:C:705:LYS:O	1:C:706:GLY:O	2.29	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.50
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.50
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.50
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.50
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.50
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.50
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.50
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.50
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.50
1:C:417:ASN:HD22	1:C:418:GLN:N	2.07	0.50
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.50
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.50
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:800:LYS:CA	1:C:804:GLN:CB	2.61	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.50
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.50
2:Y:99:GLN:C	3:Z:127:LYS:CD	2.66	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.50
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.50
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.50
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.50
1:C:484:LEU:HD23	1:C:485:GLN:N	2.23	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.50
1:C:335:PHE:CZ	1:C:345:LYS:N	2.79	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:771:GLU:CD	1:C:775:ASP:OD2	2.54	0.50
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.46	0.50
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.50
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.26	0.50
1:C:163:MET:CB	1:C:454:TYR:CE2	2.94	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.50
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.46	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.42	0.50
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.50
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:505:ILE:HG12	1:C:761:PHE:HB2	1.94	0.50
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.50
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.07	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.50
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.50
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.50
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.50
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.50
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.42	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:500:TYR:HB2	1:C:762:PHE:C	2.36	0.50
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.50
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.50
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.50
1:C:800:LYS:HA	1:C:803:ASP:OD1	2.11	0.50
2:Y:93:PHE:C	2:Y:95:MET:H	2.20	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.50
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.50
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.94	0.50
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.42	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.50
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.50
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.47	0.50
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.50
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.50
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.50
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.50
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.50
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.50
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.50
1:C:161:GLN:NE2	1:C:774:ARG:NH2	2.53	0.50
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.50
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.50
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.50
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.50
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:310:SER:HA	1:C:313:ASN:ND2	2.24	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.74	0.50
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.77	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.50
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:144:ARG:CZ	1:C:715:GLU:OE2	2.60	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.50
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
2:Y:99:GLN:HA	3:Z:124:GLU:CD	2.37	0.50
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.19	0.50
2:Y:93:PHE:C	2:Y:95:MET:H	2.20	0.50
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.50
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.50
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.77	0.50
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.50
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.50
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:500:TYR:HE1	1:C:707:PHE:O	1.95	0.50
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.50
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.50
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.50
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.50
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.50
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.50
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
1:C:6:SER:HB3	3:Z:47:GLU:N	2.26	0.50
1:C:161:GLN:O	1:C:715:GLU:OE2	2.30	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.94	0.50
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
1:C:798:TYR:CZ	1:C:802:GLN:HG3	2.47	0.50
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:573:GLN:O	1:C:573:GLN:NE2	2.36	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.50
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.50
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.50
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.50
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.50
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.50
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.50
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.70	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.50
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.50
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:800:LYS:CG	1:C:804:GLN:N	2.74	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.50
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.50
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.50
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.50
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.50
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.36	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:615:GLU:CD	1:C:617:LEU:HB2	2.34	0.50
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.91	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:798:TYR:O	1:C:802:GLN:HB2	2.11	0.50
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.50
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.50
3:Z:11:LEU:O	3:Z:14:VAL:HG22	2.10	0.50
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.50
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.50
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:684:ALA:O	1:C:687:VAL:HG23	2.11	0.50
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.50
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.50
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.50
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.50
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
1:C:36:VAL:HG23	1:C:67:ARG:HH22	1.63	0.50
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.50
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.50
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.50
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.50
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.50
1:C:780:LYS:O	1:C:783:SER:N	2.42	0.50
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:484:LEU:HD23	1:C:485:GLN:N	2.23	0.50
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.50
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.50
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.75	0.50
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.50
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.50
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.50
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.50
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.50
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.50
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.50
1:C:160:TYR:OH	1:C:255:GLY:O	2.21	0.50
1:C:227:GLU:HA	1:C:231:ASN:OD1	2.10	0.50
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.50
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.42	0.50
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.54	0.50
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.50
1:C:749:ASP:O	1:C:753:TYR:CD2	2.63	0.50
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.50
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.50
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.50
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.50
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.50
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.50
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:449:LYS:CE	3:Z:138:ASN:ND2	2.67	0.50
1:C:484:LEU:HD23	1:C:485:GLN:N	2.23	0.50
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.50
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:366:ARG:O	1:C:367:PRO:C	2.54	0.50
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.50
1:C:716:PHE:HE2	1:C:742:ILE:HG12	1.74	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.54	0.50
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.50
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.50
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.50
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:484:LEU:HD23	1:C:485:GLN:N	2.23	0.50
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.50
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.50
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.77	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.77	0.50
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:484:LEU:HD23	1:C:485:GLN:N	2.23	0.50
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.50
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.50
2:Y:129:PHE:HZ	2:Y:134:VAL:HG21	1.72	0.50
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.50
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.54	0.50
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.50
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.50
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.50
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.50
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.50
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.50
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:800:LYS:HA	1:C:803:ASP:OD1	2.11	0.50
2:Y:93:PHE:C	2:Y:95:MET:H	2.20	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:484:LEU:HD23	1:C:485:GLN:N	2.23	0.50
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.50
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.50
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.54	0.50
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:484:LEU:HD23	1:C:485:GLN:N	2.23	0.50
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.50
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.50
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:484:LEU:HD23	1:C:485:GLN:N	2.23	0.50
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.50
1:C:507:TRP:C	1:C:754:ARG:HH11	2.09	0.50
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.42	0.50
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.50
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.54	0.50
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.50
1:C:802:GLN:NE2	3:Z:17:LEU:CG	2.74	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.46	0.50
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:167:ARG:HD2	1:C:718:GLN:OE1	2.11	0.50
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.50
1:C:254:THR:HG21	3:Z:105:GLU:CA	2.02	0.50
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.50
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.50
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.50
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.50
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.50
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.50
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.50
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.50
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.50
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
2:Y:101:THR:HG23	3:Z:121:ASP:O	2.11	0.50
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.50
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.50
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.50
1:C:507:TRP:HA	1:C:707:PHE:HE2	1.77	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
2:Y:97:ASP:O	3:Z:128:LEU:HG	2.12	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.50
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.50
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.50
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.50
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.50
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.50
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.50
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50
1:C:296:LEU:CA	1:C:299:VAL:HG22	2.40	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.46	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.50
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.50
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
2:Y:93:PHE:C	2:Y:95:MET:H	2.20	0.50
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.50
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.50
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.50
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.36	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
1:C:245:LYS:CB	1:C:460:ASP:OD1	2.59	0.50
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.50
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.50
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.74	0.50
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.50
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.50
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.50
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.50
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.50
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.50
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.50
1:C:475:LEU:HG	1:C:589:TYR:CE1	2.46	0.50
1:C:833:VAL:O	1:C:834:LYS:C	2.53	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.50
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.50
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.75	0.50
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.50
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.50
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.50
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.50
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.50
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.50
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.50
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.50
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.59	0.50
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.50
3:Z:134:ASP:OD1	3:Z:138:ASN:O	2.28	0.50
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.50
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.50
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.50
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.50
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.50
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.50
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.50
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.50
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.50
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.72	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.50
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.50
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.50
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.50
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.50
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.50
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.50
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.50
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.50
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.50
1:C:474:GLN:O	1:C:477:ILE:HG13	2.10	0.50
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.50
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.50
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.50
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
2:Y:93:PHE:C	2:Y:95:MET:H	2.20	0.50
1:C:801:LEU:HB2	3:Z:17:LEU:HD11	1.93	0.50
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.50
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.50
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.50
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.50
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.50
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.50
1:C:507:TRP:HB3	1:C:754:ARG:HD3	1.94	0.50
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.50
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.50
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.50
1:C:499:GLU:CG	1:C:710:ARG:HH12	2.17	0.50
1:C:595:LEU:HD13	1:C:595:LEU:C	2.07	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
2:Y:32:ASP:HB3	2:Y:34:PHE:CD1	2.41	0.50
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.50
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.50
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.50
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.50
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.50
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.50
1:C:502:LYS:HZ1	1:C:755:LEU:HB3	1.75	0.50
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.92	0.50
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.50
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.50
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.50
1:C:772:GLU:O	1:C:775:ASP:HB2	2.11	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.26	0.50
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.50
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.50
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.50
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.50
1:C:24:GLN:HG3	1:C:80:PRO:O	2.11	0.50
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.50
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.50
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.50
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.50
1:C:163:MET:SD	1:C:170:GLN:HG2	2.50	0.50
1:C:167:ARG:CD	1:C:718:GLN:HE22	2.22	0.50
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.50
1:C:771:GLU:OE1	1:C:775:ASP:CG	2.55	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
1:C:507:TRP:CE3	1:C:707:PHE:HE1	2.30	0.50
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.50
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.77	0.50
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.75	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.50
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.50
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.50
1:C:216:GLU:O	1:C:219:ILE:CG1	2.59	0.50
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.50
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.50
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.50
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.50
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.50
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.50
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.50
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.50
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.50
1:C:800:LYS:HA	1:C:803:ASP:OD1	2.11	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.50
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.50
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.50
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.24	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.50
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.50
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.50
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.24	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:103:LYS:CA	3:Z:123:ASP:OD2	2.59	0.50
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.50
1:C:163:MET:SD	1:C:170:GLN:HG2	2.50	0.50
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:722:ILE:O	1:C:777:ARG:HD3	2.11	0.50
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.50
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.50
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.50
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.50
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.50
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:703:CYS:CB	1:C:764:ALA:HB1	2.40	0.50
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.50
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.50
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.50
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.50
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.50
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
2:Y:85:SER:HG	2:Y:88:THR:H	1.55	0.50
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.50
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.50
1:C:163:MET:SD	1:C:170:GLN:HG2	2.50	0.50
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.50
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.50
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.24	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.50
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.50
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.50
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.50
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.50
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.50
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.28	0.50
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.50
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.50
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.36	0.50
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.50
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.50
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.50
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.50
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.50
1:C:163:MET:SD	1:C:170:GLN:HG2	2.50	0.50
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.50
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.50
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.50
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.24	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:507:TRP:CZ3	1:C:707:PHE:N	2.80	0.50
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.50
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.23	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.50
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.50
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.50
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.59	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.50
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.50
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.50
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.50
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.50
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.50
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.76	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.50
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.50
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.50
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.50
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.50
1:C:801:LEU:CD2	3:Z:21:TRP:CZ3	2.94	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.50
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.50
1:C:808:LEU:HB3	3:Z:20:PHE:CE2	2.47	0.50
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.50
3:Z:37:CYS:SG	3:Z:75:LEU:HD12	2.48	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.42	0.50
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.50
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.50
1:C:507:TRP:HZ2	1:C:707:PHE:CZ	2.25	0.50
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.50
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.77	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.50
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.50
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.50
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.12	0.50
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.50
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.50
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.50
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.50
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.46	0.50
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.50
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.50
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.50
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.50
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.50
1:C:220:ILE:CG1	1:C:221:GLN:N	2.75	0.50
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.50
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.50
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.76	0.50
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.50
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.50
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.50
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.75	0.50
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.50
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.50
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.50
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.50
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.50
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.50
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.77	0.50
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.50
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.50
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.50
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.50
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.50
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.50
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.50
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.50
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.50
1:C:504:GLY:HA3	1:C:760:VAL:CG1	2.29	0.50
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.50
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.50
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.50
1:C:498:GLU:C	1:C:756:GLY:HA2	2.36	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.50
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.50
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.50
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.50
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.50
1:C:595:LEU:CD2	1:C:596:GLU:N	2.73	0.50
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.50
1:C:694:ASN:ND2	1:C:696:VAL:HG13	2.25	0.50
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.50
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.50
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.50
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.50
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:502:LYS:O	1:C:757:THR:CG2	2.60	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.50
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.50
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.50
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.28	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.50
1:C:143:LYS:HG2	3:Z:95:ARG:NE	2.27	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.50
1:C:595:LEU:CD1	1:C:595:LEU:C	2.76	0.50
1:C:774:ARG:O	1:C:778:LEU:HB2	2.12	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.50
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.50
1:C:85:LEU:C	1:C:85:LEU:CD1	2.78	0.50
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.50
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.50
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.50
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.50
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.50
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.50
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.50
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.50
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.50
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.50
1:C:800:LYS:O	1:C:803:ASP:OD1	2.30	0.50
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.50
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.75	0.50
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.50
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.50
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.50
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.50
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.50
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.50
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.50
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.50
1:C:254:THR:O	3:Z:95:ARG:CZ	2.60	0.50
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.50
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.50
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.50
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.50
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.50
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.50
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.50
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.50
1:C:704:ARG:CB	1:C:764:ALA:HB1	2.32	0.50
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.50
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.50
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.50
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.50
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.50
1:C:229:TYR:CD1	1:C:284:ILE:HD11	2.46	0.50
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.50
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.50
1:C:505:ILE:HD13	1:C:754:ARG:C	2.36	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.50
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.50
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.50
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.50
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.92	0.50
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:505:ILE:N	1:C:760:VAL:CA	2.75	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
2:Y:98:GLU:HG3	3:Z:128:LEU:CG	2.41	0.50
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.50
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.50
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.50
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.50
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.50
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.50
2:Y:127:MET:SD	2:Y:130:LYS:NZ	2.77	0.50
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.50
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.50
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.50
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.29	0.50
3:Z:12:LYS:O	3:Z:13:ASP:C	2.54	0.50
3:Z:108:HIS:O	3:Z:112:ALA:HB3	2.11	0.50
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.50
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.50
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.50
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.50
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.50
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.50

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.50
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.50
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.29	0.50
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.50
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.50
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.50
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.50
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.50
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.50
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.50
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.50
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.50
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.50
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.50
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.50
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.50
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.50
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.50
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.50
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.50
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.50
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.50
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.50
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.50
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.50
1:C:506:ALA:CB	1:C:766:VAL:CG1	0.51	0.50
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.50
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.50
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.50
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.50
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.49
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.58	0.49
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:785:PHE:CZ	3:Z:144:PHE:CE2	2.99	0.49
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.49
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.49
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.49
1:C:126:TYR:CD1	1:C:677:LYS:O	2.65	0.49
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.49
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.49
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.49
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.49
1:C:516:LEU:HB3	1:C:520:ILE:HD12	1.93	0.49
1:C:703:CYS:HA	1:C:708:PRO:CG	2.41	0.49
1:C:800:LYS:O	1:C:803:ASP:OD1	2.30	0.49
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.49
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.49
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.49
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.49
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
1:C:800:LYS:C	1:C:802:GLN:N	2.70	0.49
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.49
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.49
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.49
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.49
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.49
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.58	0.49
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.49
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.49
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.49
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.49
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.49
1:C:501:LYS:CD	1:C:755:LEU:N	2.75	0.49
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.49
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.08	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.49
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.49
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.58	0.49
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.49
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.49
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.49
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.49
3:Z:42:ILE:HD12	3:Z:44:PRO:HD2	1.67	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.49
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.49
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.49
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.49
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.58	0.49
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:220:ILE:CG1	1:C:221:GLN:N	2.75	0.49
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.49
1:C:811:ILE:O	1:C:815:ILE:CG2	2.59	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.49
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.58	0.49
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.46	0.49
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.46	0.49
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.49
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.49
1:C:504:GLY:H	1:C:760:VAL:CB	1.17	0.49
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.49
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.58	0.49
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:781:ILE:HD11	1:C:782:ILE:CD1	2.40	0.49
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.49
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.58	0.49
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
3:Z:11:LEU:HD21	3:Z:40:LEU:HD12	1.91	0.49
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.49
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.10	0.49
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.49
3:Z:117:LEU:CD1	3:Z:117:LEU:C	2.68	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:506:ALA:H	1:C:754:ARG:NE	2.09	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.49
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.49
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.49
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.49
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.49
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.49
1:C:725:PRO:HB3	3:Z:85:ASP:OD1	2.12	0.49
2:Y:85:SER:HG	2:Y:88:THR:H	1.53	0.49
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.49
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.49
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.49
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.49
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.49
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.49
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.49
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.42	0.49
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.46	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.94	0.49
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.49
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
1:C:504:GLY:C	1:C:754:ARG:O	2.55	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.49
2:Y:98:GLU:OE1	3:Z:124:GLU:CB	2.53	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.49
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.49
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.49
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.49
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.49
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
1:C:800:LYS:HA	1:C:803:ASP:OD1	2.11	0.49
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.49
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.49
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.49
1:C:800:LYS:O	1:C:804:GLN:CB	2.60	0.49
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.49
3:Z:44:PRO:HG3	3:Z:75:LEU:HD12	1.67	0.49
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.49
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.49
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.75	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:800:LYS:O	1:C:803:ASP:OD1	2.30	0.49
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.49
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.49
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.49
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.49
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.49
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.49
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.49
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.49
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.49
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.70	0.49
1:C:439:VAL:HA	1:C:442:VAL:HG22	1.93	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.49
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.49
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.49
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.49
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.49
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.49
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:484:LEU:HD23	1:C:485:GLN:N	2.23	0.49
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.49
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.49
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.49
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.49
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.74	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.49
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:705:LYS:CA	1:C:706:GLY:N	2.67	0.49
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
2:Y:94:ALA:HA	3:Z:128:LEU:HD23	1.94	0.49
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.49
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.49
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.49
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.47	0.49
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.49
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.49
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.49
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.49
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.49
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.75	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.49
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.49
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.49
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.77	0.49
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.49
1:C:713:TYR:HD2	1:C:739:SER:HG	1.57	0.49
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.49
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.49
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.49
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.73	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.49
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.49
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.49
1:C:502:LYS:NZ	1:C:755:LEU:HB3	2.27	0.49
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.49
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.49
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.49
3:Z:110:LEU:HB3	3:Z:117:LEU:HG	1.92	0.49
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.49
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.49
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.49
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.49
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.42	0.49
1:C:104:ARG:CZ	1:C:682:VAL:HG23	2.35	0.49
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.94	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.49
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.76	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.49
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.49
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.20	0.49
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.49
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
1:C:799:LYS:HG2	1:C:803:ASP:HB2	1.81	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:36:VAL:HG21	3:Z:68:PHE:HE1	1.76	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.49
1:C:506:ALA:O	1:C:707:PHE:CE2	2.64	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.95	0.49
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.49
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.73	0.49
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.49
1:C:501:LYS:N	1:C:761:PHE:HD1	2.08	0.49
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.49
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.49
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.49
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.48	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.75	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.49
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.49
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.49
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.49
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.49
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.49
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.49
1:C:104:ARG:NH2	1:C:682:VAL:CG2	2.46	0.49
1:C:231:ASN:HB2	1:C:283:HIS:HD2	1.69	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.70	0.49
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.49
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.49
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.49
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.49
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.49
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:800:LYS:O	1:C:801:LEU:C	2.55	0.49
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.60	0.49
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.49
1:C:722:ILE:O	1:C:777:ARG:HD3	2.11	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:416:MET:C	1:C:419:VAL:HG22	2.36	0.49
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.49
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:416:MET:C	1:C:419:VAL:HG22	2.36	0.49
1:C:505:ILE:N	1:C:760:VAL:CA	2.75	0.49
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.49
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.48	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.49
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.75	0.49
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.49
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.48	0.49
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.49
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.01	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.49
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.49
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.49
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.48	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.49
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.75	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:416:MET:C	1:C:419:VAL:HG22	2.36	0.49
1:C:501:LYS:N	1:C:754:ARG:CB	2.75	0.49
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:265:TYR:CZ	1:C:266:LEU:HG	2.45	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:728:ILE:HD12	1:C:728:ILE:C	2.34	0.49
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.49
1:C:163:MET:CE	1:C:456:ILE:HB	2.41	0.49
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
1:C:800:LYS:HA	1:C:803:ASP:OD1	2.11	0.49
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.49
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.49
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.49
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.49
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.49
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.49
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.49
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.49
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.49
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.49
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.49
1:C:484:LEU:HD23	1:C:485:GLN:N	2.23	0.49
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.48	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.49
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.75	0.49
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:416:MET:C	1:C:419:VAL:HG22	2.36	0.49
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.49
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.49
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.49
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.49
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.49
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.49
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.49
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.49
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.28	0.49
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.49
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.49
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.49
1:C:500:TYR:CG	1:C:707:PHE:CD1	3.00	0.49
1:C:505:ILE:CG2	1:C:761:PHE:O	2.50	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.49
1:C:613:SER:HG	1:C:618:VAL:HG23	1.73	0.49
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.96	0.49
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.49
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.49
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.49
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.49
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.49
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.49
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:449:LYS:O	3:Z:100:PHE:C	2.56	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.28	0.49
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.49
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.49
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.49
1:C:497:GLN:CB	1:C:753:TYR:O	2.36	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.49
1:C:613:SER:HG	1:C:618:VAL:HG23	1.73	0.49
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.49
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.96	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.28	0.49
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.49
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.49
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.49
1:C:501:LYS:CD	1:C:755:LEU:HD23	2.42	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.49
1:C:613:SER:HG	1:C:618:VAL:HG23	1.73	0.49
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.49
2:Y:99:GLN:OE1	3:Z:130:ASP:OD2	2.29	0.49
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.49
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.49
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.49
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.49
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.49
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.49
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.49
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.49
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.49
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.49
1:C:281:ASN:ND2	1:C:312:ILE:HD11	2.04	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.49
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.49
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.49
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.49
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.49
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.49
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.28	0.49
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.49
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.49
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:613:SER:HG	1:C:618:VAL:HG23	1.73	0.49
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.49
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.49
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.49
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.48	0.49
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.49
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
1:C:772:GLU:OE1	1:C:776:GLU:HG2	2.12	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.49
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.49
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.28	0.49
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.49
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.49
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.49
1:C:613:SER:HG	1:C:618:VAL:HG23	1.73	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.49
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.49
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.49
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.49
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.49
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.49
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.49
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.28	0.49
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.49
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.49
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.49
1:C:613:SER:HG	1:C:618:VAL:HG23	1.73	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.49
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
1:C:800:LYS:C	1:C:804:GLN:CB	2.84	0.49
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.49
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:143:LYS:CG	3:Z:95:ARG:CD	2.91	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.49
1:C:799:LYS:HG2	1:C:803:ASP:HB3	1.94	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.49
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.49
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.48	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.49
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.49
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.49
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
1:C:5:PHE:O	1:C:5:PHE:CD2	2.65	0.49
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.49
1:C:416:MET:C	1:C:419:VAL:HG22	2.37	0.49
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.49
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.49
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:500:TYR:CD1	1:C:761:PHE:HB3	2.36	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.49
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.49
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.63	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.49
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.49
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.49
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.75	0.49
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.20	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.96	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.48	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
1:C:801:LEU:HD21	3:Z:21:TRP:HZ3	1.76	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.49
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.49
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.49
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.49
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.49
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.49
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.49
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.49
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.49
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.49
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.94	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.49
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.49
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.49
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.49
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.14	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.49
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.49
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.76	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.49
1:C:193:LEU:CG	1:C:251:PHE:HZ	2.24	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.75	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.49
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.49
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.49
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.49
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.49
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.49
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.49
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.49
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.49
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:800:LYS:C	1:C:801:LEU:C	2.81	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.49
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.49
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.49
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.49
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.49
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.49
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.49
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.49
1:C:165:THR:O	1:C:723:LEU:HG	2.12	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.49
1:C:256:LYS:CE	3:Z:108:HIS:O	2.22	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.49
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.49
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.49
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.49
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.49
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:508:GLU:CD	1:C:752:GLU:OE1	2.55	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
1:C:722:ILE:CG2	3:Z:92:THR:HG22	2.42	0.49
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.49
1:C:811:ILE:O	1:C:815:ILE:CG2	2.59	0.49
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.49
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.49
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.49
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.49
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.49
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.49
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.49
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.49
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.49
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.49
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.49
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.49
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.49
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.49
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.49
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.49
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.28	0.49
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.49
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.49
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.76	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:772:GLU:OE1	1:C:776:GLU:CG	2.60	0.49
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.49
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.49
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.49
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.49
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.75	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.77	0.49
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.49
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.49
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.49
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.49
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.49
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.49
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.49
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.49
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:462:ALA:O	1:C:463:GLY:HA2	2.11	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
1:C:802:GLN:HE21	3:Z:17:LEU:HG	1.78	0.49
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.06	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.49
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.49
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.73	0.49
1:C:723:LEU:HA	1:C:777:ARG:CD	2.30	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.49
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.49
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:57:LYS:HG2	3:Z:58:MET:N	2.25	0.49
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.49
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.49
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.49
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:502:LYS:HB3	1:C:713:TYR:CE1	2.48	0.49
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.49
1:C:783:SER:HB2	3:Z:45:ARG:CD	2.41	0.49
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.49
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.49
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.49
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.49
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:505:ILE:C	1:C:753:TYR:CD1	2.90	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.76	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.49
1:C:220:ILE:CG1	1:C:221:GLN:N	2.76	0.49
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.75	0.49
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.49
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.49
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.49
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.49
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.49
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.49
1:C:129:LEU:CD1	1:C:129:LEU:C	2.75	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.49
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.49
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.49
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.70	0.49
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.47	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
2:Y:97:ASP:CB	3:Z:128:LEU:HD21	2.21	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.49
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.49
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:811:ILE:O	1:C:815:ILE:CG2	2.59	0.49
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.49
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.49
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:70:LYS:HD3	1:C:73:ASP:OD2	2.11	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.49
1:C:690:GLN:O	1:C:692:GLN:N	2.45	0.49
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.49
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.49
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.49
1:C:799:LYS:CE	1:C:806:ILE:HG21	2.40	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.49
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.49
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.49
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:502:LYS:CE	1:C:758:THR:H	2.26	0.49
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.49
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.49
2:Y:119:ASN:HB3	3:Z:25:ASP:OD2	2.13	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:500:TYR:HD1	1:C:709:SER:H	0.51	0.49
1:C:502:LYS:N	1:C:760:VAL:C	2.68	0.49
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:505:ILE:C	1:C:709:SER:HB3	2.38	0.49
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.77	0.49
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.49
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
3:Z:114:GLY:O	3:Z:116:ARG:N	2.45	0.49
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.49
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.49
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.49
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.49
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.96	0.49
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.49
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.49
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.49
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:805:ARG:CG	3:Z:21:TRP:CE3	2.94	0.49
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.26	0.49
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.49
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
1:C:141:ARG:O	1:C:143:LYS:HD2	2.11	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:505:ILE:HD11	1:C:761:PHE:O	2.13	0.49
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.49
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.48	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.49
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.49
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:705:LYS:O	1:C:706:GLY:C	2.46	0.49
1:C:416:MET:C	1:C:419:VAL:HG22	2.36	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.49
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.48	0.49
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.49
1:C:281:ASN:ND2	1:C:281:ASN:H	2.09	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.49
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.49
2:Y:85:SER:O	2:Y:89:ILE:HD13	2.10	0.49
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.49
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.49
1:C:220:ILE:CG1	1:C:221:GLN:N	2.76	0.49
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.49
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.49
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.76	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.95	0.49
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.49
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.26	0.49
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.49
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.49
1:C:220:ILE:CG1	1:C:221:GLN:N	2.76	0.49
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.49
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:506:ALA:CB	1:C:762:PHE:CD2	2.86	0.49
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.49
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.49
1:C:165:THR:HB	1:C:715:GLU:HA	1.94	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.27	0.49
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.49
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.49
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.49
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.49
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.48	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.49
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.49
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.49
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.49
1:C:220:ILE:CG1	1:C:221:GLN:N	2.76	0.49
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.49
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.49
1:C:800:LYS:O	1:C:803:ASP:CG	2.46	0.49
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.49
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.49
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.49
1:C:218:GLN:HG2	1:C:219:ILE:H	1.76	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.24	0.49
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.49
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.49
1:C:365:GLN:CG	1:C:366:ARG:N	2.49	0.49
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.49
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.48	0.49
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.19	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:160:TYR:OH	1:C:255:GLY:O	2.21	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.49
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.49
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.26	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:144:ARG:CB	1:C:774:ARG:HB2	2.34	0.49
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.49
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.49
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.68	0.49
1:C:807:GLY:O	1:C:810:VAL:CG2	2.58	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.49
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.49
2:Y:108:TYR:OH	3:Z:120:GLU:HB2	2.09	0.49
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.49
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.49
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.49
1:C:220:ILE:CG1	1:C:221:GLN:N	2.76	0.49
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.49
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.49
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.49
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.49
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.49
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.70	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.49
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.73	0.49
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.49
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.48	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.28	0.49
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.49
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.49
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.95	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.49
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.49
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.87	0.49
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.49
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.34	0.49
2:Y:116:MET:C	3:Z:20:PHE:O	2.54	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.49
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.49
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:498:GLU:HB2	1:C:755:LEU:C	2.30	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
2:Y:98:GLU:CG	2:Y:99:GLN:N	2.65	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.49
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.49
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:502:LYS:HZ2	1:C:755:LEU:HB3	1.76	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:310:SER:HA	1:C:313:ASN:ND2	2.25	0.49
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:70:LYS:CB	1:C:73:ASP:OD2	2.42	0.49
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:243:PHE:CZ	1:C:245:LYS:CE	2.95	0.49
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.49
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.49
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.49
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.49
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.49
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.38	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.49
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.49
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.49
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.49
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.49
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.49
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.49
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
2:Y:40:ILE:C	2:Y:40:ILE:HD12	2.36	0.49
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.49
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.76	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.49
1:C:505:ILE:CG2	1:C:763:LYS:N	2.75	0.49
1:C:811:ILE:O	1:C:815:ILE:CG2	2.59	0.49
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.49
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.49
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.49
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.49
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.49
1:C:56:ILE:HD11	1:C:69:VAL:HG22	1.94	0.49
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.49
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.49
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.49
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.27	0.49
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.49
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.49
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.25	0.49
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.49
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.49
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:615:GLU:CD	1:C:617:LEU:H	2.16	0.49
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.49
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.49
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.49
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.49
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.49
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.49
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.49
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:505:ILE:CG2	1:C:709:SER:C	2.84	0.49
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.49
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.49
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.49
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.49
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.49
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.49
1:C:5:PHE:HE1	1:C:780:LYS:CD	2.25	0.49
1:C:134:ASP:HB2	1:C:195:LYS:HZ1	1.78	0.49
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.49
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.49
1:C:490:HIS:CD2	1:C:495:LEU:CG	2.83	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.49
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.49
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.49
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.49
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.49
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:503:GLU:HB3	1:C:760:VAL:C	2.25	0.49
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.26	0.49
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.49
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:500:TYR:CE1	1:C:707:PHE:C	2.70	0.49
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.49
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:123:ASP:O	2:Y:127:MET:CG	2.56	0.49
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.49
1:C:615:GLU:OE1	1:C:616:PRO:HD2	2.11	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.49
1:C:796:LYS:HZ1	3:Z:128:LEU:HD22	1.76	0.49
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.27	0.49
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.49
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:129:LEU:O	1:C:129:LEU:CD2	2.58	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:433:ARG:NH1	1:C:618:VAL:O	2.40	0.49
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.49
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.49
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.49
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.49
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.49
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.49
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.22	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.49
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.49
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.25	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:90:PHE:HZ	3:Z:101:ILE:HB	1.75	0.49
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.49
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.49
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.49
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.49
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.49
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.49
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.49
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.49
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.49
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.49
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.49
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.49
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.49
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.49
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.77	0.49
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.49
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.49
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.49
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.49
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.49
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:507:TRP:CZ3	1:C:708:PRO:CD	2.95	0.49
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.49
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.49
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:508:GLU:O	1:C:707:PHE:CE2	2.66	0.49
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.49
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.49
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.76	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.49
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.49
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:811:ILE:O	1:C:815:ILE:CG2	2.59	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.49
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.49
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.49
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.49
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.49
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.49
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.49
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.27	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.49
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.49
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.49
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.41	0.49
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.78	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.49
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.49
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.49
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.49
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.49
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.49
1:C:773:MET:C	1:C:776:GLU:N	2.67	0.49
1:C:805:ARG:CD	3:Z:21:TRP:CA	2.90	0.49
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:496:GLU:CA	1:C:761:PHE:CE2	2.94	0.49
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.49
1:C:523:ILE:HG23	1:C:524:GLU:N	2.27	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.49
3:Z:6:ASP:O	3:Z:10:ASP:OD2	2.30	0.49
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.49
1:C:645:ILE:HA	1:C:648:VAL:CG1	2.41	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.49
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.49
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.49
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.49
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.49
1:C:129:LEU:CD1	1:C:129:LEU:C	2.76	0.49
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.49
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.49
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.49
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.49
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.48	0.49
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.49
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.49
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.20	0.49
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.49
2:Y:127:MET:SD	2:Y:130:LYS:NZ	2.77	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.49
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.49
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.49
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.49
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.48	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:257:ILE:O	1:C:257:ILE:CG1	2.50	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.49
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.49
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.49
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.49
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.29	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.49
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.49
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.49
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.49
2:Y:115:ASN:ND2	2:Y:116:MET:HG2	2.26	0.49
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.49
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.49
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.49
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
1:C:8:PRO:CD	3:Z:115:GLU:CG	2.73	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.49
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.49
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.49
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.49
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.49
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.49
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.48	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.49
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.49
1:C:801:LEU:CG	3:Z:21:TRP:CZ3	2.91	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.49
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.49
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.49
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.49
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.49
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.49
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.49
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.49
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.49
1:C:743:LEU:HD21	1:C:748:MET:HE2	1.92	0.49
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.49
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.49
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.49
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.49
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.49
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.49
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.49
3:Z:17:LEU:O	3:Z:17:LEU:CD2	2.25	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.48	0.49
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.49
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.49
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.49
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.49
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.49
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:383:VAL:CG2	1:C:384:ALA:H	2.23	0.49
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.49
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.49
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:347:SER:HB3	1:C:617:LEU:HD12	1.93	0.49
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.49
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.49
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.49
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.49
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:800:LYS:O	1:C:804:GLN:HB3	2.12	0.49
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.20	0.49
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.61	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.76	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.49
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.49
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
1:C:451:LYS:CE	3:Z:142:GLU:OE1	2.60	0.49
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.20	0.49
1:C:502:LYS:N	1:C:760:VAL:O	2.45	0.49
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.21	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.49
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.45	0.49
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.20	0.49
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.49
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.49
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.49
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.49
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.77	0.49
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.76	0.49
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.49
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.49
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.49
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.59	0.49
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.49
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.49
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.20	0.49
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.49
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.49
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.49
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.20	0.49
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.49
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.49
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.49
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.49
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.20	0.49
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.49
1:C:722:ILE:HD11	1:C:774:ARG:HG3	1.93	0.49
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.49
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.49
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.49
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.49
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:573:GLN:O	1:C:573:GLN:NE2	2.36	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.26	0.49
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.49
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.49
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
2:Y:99:GLN:HE22	3:Z:127:LYS:C	2.18	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.49
1:C:139:LYS:O	3:Z:95:ARG:CZ	2.60	0.49
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.49
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.49
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.49
1:C:533:LEU:HA	1:C:533:LEU:HD23	1.63	0.49
1:C:573:GLN:O	1:C:573:GLN:NE2	2.36	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.49
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.40	0.49
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.49
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.49
1:C:510:ILE:HD11	1:C:512:PHE:HE1	1.76	0.49
1:C:573:GLN:O	1:C:573:GLN:NE2	2.37	0.49
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.49
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.65	0.49
2:Y:148:ILE:HD12	2:Y:148:ILE:O	2.11	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.49
1:C:85:LEU:C	1:C:85:LEU:CD1	2.78	0.49
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.49
1:C:502:LYS:O	1:C:757:THR:CB	2.61	0.49
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.49
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.49
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.49
1:C:500:TYR:CZ	1:C:707:PHE:CA	2.79	0.49
1:C:503:GLU:CA	1:C:759:LYS:HB3	2.31	0.49
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.49
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.49
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.49
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.49
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.49
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49
3:Z:5:GLN:C	3:Z:8:ILE:CD1	2.64	0.49
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.49
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.49
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:573:GLN:O	1:C:573:GLN:NE2	2.36	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49
1:C:138:ALA:CB	3:Z:113:LEU:HB2	2.41	0.49
1:C:146:THR:HG21	1:C:767:LEU:C	2.31	0.49
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
3:Z:114:GLY:O	3:Z:116:ARG:N	2.44	0.49
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.49
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.49
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.49
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:573:GLN:O	1:C:573:GLN:NE2	2.36	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.49
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.49
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.49
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.49
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.49
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.49
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.49
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.49
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.28	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.49
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.49
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.49
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.49
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.49
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.49
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.49
1:C:242:ARG:NH1	1:C:268:GLU:OE2	2.44	0.49
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.49
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.49
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.68	0.49
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.49
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:366:ARG:O	1:C:367:PRO:C	2.55	0.49
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.49
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.49
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.49
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.49
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.49
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.49
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:573:GLN:O	1:C:573:GLN:NE2	2.36	0.49
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.49
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.49
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.49
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.20	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.77	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.49
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.49
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.49
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.49
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.49
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.49
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.49
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.49
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.49
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.49
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.49
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.49
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
1:C:499:GLU:CG	1:C:710:ARG:HH11	2.09	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.49
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:499:GLU:HB3	1:C:761:PHE:HZ	1.77	0.49
1:C:501:LYS:HG3	1:C:760:VAL:HA	1.94	0.49
1:C:509:PHE:CB	1:C:751:ALA:CA	2.91	0.49
1:C:510:ILE:HG23	1:C:707:PHE:HZ	1.77	0.49
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.49
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.49
1:C:773:MET:CA	1:C:776:GLU:CG	2.87	0.49
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.49
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49
1:C:147:GLU:OE2	1:C:775:ASP:OD1	2.29	0.49
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.49
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.49
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:811:ILE:O	1:C:815:ILE:CG2	2.59	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.49
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.49
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.49
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.49
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.49
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:805:ARG:HA	3:Z:21:TRP:CH2	2.48	0.49
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.49
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:168:GLU:CG	1:C:715:GLU:CG	2.88	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
2:Y:134:VAL:HG12	2:Y:139:PHE:HB2	1.93	0.49
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.49
1:C:712:ILE:CD1	1:C:715:GLU:CB	2.81	0.49
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.70	0.49
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.49
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.49
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.49
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.49
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.49
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.49
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.49
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:796:LYS:HE3	2:Y:98:GLU:CB	2.39	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.48	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.49
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.49
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.49
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.49
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.49
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.49
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.49
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.49
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.49
1:C:501:LYS:HG2	1:C:755:LEU:CD1	2.36	0.49
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.49
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.49
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.77	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.49
1:C:139:LYS:HE3	1:C:779:SER:HB3	1.94	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.49
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.09	0.49
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:85:LEU:C	1:C:85:LEU:CD1	2.78	0.49
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.49
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.49
1:C:798:TYR:O	1:C:802:GLN:CB	2.60	0.49
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.65	0.49
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.49
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.49
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.49
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.49
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.49
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.49
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.49
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.77	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.49
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.49
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.49
1:C:500:TYR:CB	1:C:761:PHE:HB2	2.41	0.49
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.49
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.49
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.49
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.49
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.49
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.48	0.49
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.49
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.49
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:389:ILE:HD12	1:C:390:ASN:O	2.11	0.49
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.49
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.49
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.49
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.49
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.49
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.49
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.49
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.49
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.49
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.76	0.49
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.49
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
1:C:800:LYS:C	1:C:804:GLN:HB2	2.36	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.49
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.49
2:Y:60:LEU:C	2:Y:62:GLU:H	2.19	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.49
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.49
1:C:684:ALA:O	1:C:687:VAL:HG23	2.11	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.27	0.49
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.49
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.49
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.49
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.49
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.76	0.49
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.49
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.49
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.49
1:C:119:PHE:CE2	1:C:667:PHE:CB	2.92	0.49
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.44	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.49
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.49
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.49
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.49
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.49
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.49
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:479:TYR:CD1	1:C:523:ILE:HG13	2.42	0.49
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.49
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.49
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.49
1:C:796:LYS:HZ1	3:Z:128:LEU:HD22	1.75	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.49
3:Z:111:THR:CG2	3:Z:117:LEU:HD11	2.41	0.49
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.49
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.49
1:C:423:VAL:HG23	1:C:424:GLY:H	1.73	0.49
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.49
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.49
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.49
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.49
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.76	0.49
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.49
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.49
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.49
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.49
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.49
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.49
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.49
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.48	0.49
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.49
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.49
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.49
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.49
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.76	0.49
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.49
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.49
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.48	0.49
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.49
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.49
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.49
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.03	0.49
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.49
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.76	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.49
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.49
1:C:503:GLU:O	1:C:762:PHE:CZ	2.66	0.49
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.49
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:276:GLN:H	1:C:276:GLN:CD	2.17	0.49
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.59	0.49
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.49
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.44	0.49
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.49
1:C:832:LYS:HZ3	2:Y:48:GLY:N	2.09	0.49
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.49
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.76	0.49
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.49
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.49
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.49
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.49
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.49
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.76	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.49
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.49
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.76	0.49
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.49
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.49
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.49
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.49
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.49
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.49
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.61	0.49
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.49
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.49
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:507:TRP:CZ3	1:C:707:PHE:HE1	2.31	0.49
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.49
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.20	0.49
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.49
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.49
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.49
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.49
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.49
1:C:345:LYS:O	1:C:345:LYS:HG2	2.11	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.49
1:C:718:GLN:C	3:Z:91:LYS:HB3	2.38	0.49
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.49
2:Y:99:GLN:O	2:Y:100:GLU:CD	2.55	0.49
3:Z:90:PHE:HB2	3:Z:141:TYR:CE2	2.47	0.49
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.49
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.49
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.49
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.49
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.49
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.49
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.49
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.49
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.49
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.49
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.49
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.49
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.49
1:C:500:TYR:CD1	1:C:709:SER:O	2.65	0.49
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.49
1:C:773:MET:O	1:C:776:GLU:CB	2.59	0.49
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.49
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.49
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.49
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.49
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.49
2:Y:93:PHE:CD1	2:Y:141:TYR:CB	2.94	0.49
2:Y:106:ILE:CD1	2:Y:106:ILE:C	2.79	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.49
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.49
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.49
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.49
1:C:800:LYS:O	1:C:803:ASP:OD1	2.30	0.49
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.49
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.49
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.49
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.49
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
2:Y:112:LEU:HD23	2:Y:112:LEU:HA	1.63	0.49
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.49
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.49
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.49
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.49
1:C:790:ARG:HB2	3:Z:38:ARG:HH12	1.74	0.49
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.49
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.49
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.49
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.49
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.49
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.49
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.49
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.49
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.49
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.49
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.49
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.49
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.49
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.49
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.49
2:Y:39:ASP:O	2:Y:43:ILE:HD13	2.11	0.49
2:Y:93:PHE:C	2:Y:95:MET:H	2.20	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:301:LEU:HD23	1:C:301:LEU:HA	1.62	0.49
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.49
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.78	0.49
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.49
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.75	0.49
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.49
1:C:534:GLU:CD	1:C:644:THR:HG1	2.14	0.49
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.49
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.49
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.49
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.49
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.43	0.49
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.49
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.49
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.49
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.49
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.49
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.49
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:280:ARG:CD	1:C:286:TYR:CZ	2.82	0.49
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.49
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.49
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.49
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.49
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.49
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.49
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.49
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.78	0.49
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.49
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.49
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.49
1:C:712:ILE:CD1	1:C:715:GLU:HG3	2.23	0.49
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.49
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.49
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.49
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.49
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.49

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.49
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.49
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.49
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.49
2:Y:113:LEU:CB	2:Y:120:PHE:CD2	2.95	0.49
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.49
1:C:114:THR:O	1:C:121:ILE:HG23	2.12	0.49
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.49
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.49
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.49
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.49
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.49
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.49
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.49
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.49
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.48
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.48
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.48
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.48
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.48
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.91	0.48
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.48
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.64	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48
1:C:281:ASN:OD1	1:C:312:ILE:CD1	2.48	0.48
1:C:305:ASP:HB3	1:C:308:LEU:HD12	1.93	0.48
1:C:416:MET:C	1:C:419:VAL:HG22	2.36	0.48
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.48
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.75	0.48
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.48
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.48
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.48
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.48
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.48
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.48
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.48
1:C:503:GLU:CB	1:C:756:GLY:H	2.09	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.48
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.48
1:C:503:GLU:CB	1:C:761:PHE:CZ	2.94	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.48
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.48
1:C:166:ASP:CA	1:C:720:TYR:CB	2.79	0.48
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.48
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.48
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.48
1:C:499:GLU:C	1:C:710:ARG:HA	2.33	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.48
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.48
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.48
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.48
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.13	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.48
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.48
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.48
1:C:285:PHE:CE2	1:C:312:ILE:HG13	2.37	0.48
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.48
1:C:358:MET:CE	1:C:426:LEU:HB3	2.34	0.48
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.48
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.48
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.48
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.48
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.48
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.48
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.48
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.10	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.48
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.48
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.48
1:C:800:LYS:O	1:C:803:ASP:OD1	2.30	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.48
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.48
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.43	0.48
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.48
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.48
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.48
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.48
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.48
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.48
1:C:496:GLU:O	1:C:500:TYR:CE2	2.64	0.48
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.48
2:Y:117:GLY:HA2	3:Z:20:PHE:HZ	1.78	0.48
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.48
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.43	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.48
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.43	0.48
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.48
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.48
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.48
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.48
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:114:THR:HB	1:C:121:ILE:CG1	2.40	0.48
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.48
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.48
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.48
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.48
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.48
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.48
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.48
2:Y:100:GLU:OE1	3:Z:122:VAL:O	2.30	0.48
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.48
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.48
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.48
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.48
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.48
1:C:796:LYS:CE	2:Y:98:GLU:HA	2.43	0.48
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.48
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.48
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.48
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.48
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.48
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.48
1:C:379:GLU:O	1:C:383:VAL:HG13	2.12	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.48
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.48
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.48
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.48
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:594:TRP:CD1	1:C:594:TRP:O	2.65	0.48
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.48
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.48
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.48
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.48
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.76	0.48
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.48
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.48
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.48
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.48
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.48
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.48
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.13	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.48
1:C:800:LYS:O	1:C:803:ASP:OD1	2.30	0.48
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.48
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:163:MET:SD	1:C:170:GLN:HG2	2.50	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.48
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.48
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.48
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.48
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.56	0.48
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.48
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.48
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.48
3:Z:141:TYR:O	3:Z:145:VAL:HG13	2.11	0.48
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.48
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.48
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.48
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.48
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.48
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.59	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.56	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.13	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.96	0.48
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.48
1:C:233:LYS:HD3	1:C:319:VAL:HG12	1.93	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.48
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.48
1:C:694:ASN:ND2	1:C:695:GLY:N	2.60	0.48
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.48
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.48
3:Z:42:ILE:HD11	3:Z:44:PRO:HD2	1.76	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.48
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
1:C:104:ARG:CZ	1:C:682:VAL:HG23	2.35	0.48
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
1:C:800:LYS:HG3	1:C:804:GLN:HB2	1.94	0.48
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.48
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.48
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.48
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.47	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.75	0.48
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.48
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.48
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.13	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.48
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.48
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:726:ASN:N	1:C:726:ASN:ND2	2.62	0.48
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.78	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.48
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:505:ILE:HG12	1:C:708:PRO:O	2.13	0.48
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.48
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.48
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.48
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.48
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.48
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:500:TYR:CD2	1:C:707:PHE:HB2	2.48	0.48
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.48
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.13	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.14	0.48
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.13	0.48
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.48
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.48
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.48
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.13	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.14	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.41	0.48
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.48
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.14	0.48
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.48
1:C:801:LEU:HD22	3:Z:21:TRP:CZ3	2.48	0.48
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.48
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.10	0.48
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.48
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.48
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.48
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.07	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.48
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.62	0.48
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.48
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.14	0.48
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.48
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.48
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.48
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.48
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.48
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.48
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.48
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.48
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.48
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.48
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.13	0.48
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.48
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.48
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:802:GLN:HG2	3:Z:17:LEU:CD1	2.42	0.48
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.48
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.48
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.48
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.48
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.48
1:C:800:LYS:O	1:C:803:ASP:OD1	2.30	0.48
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.48
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.48
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.48
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.48
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.48
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.03	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.48
1:C:717:LYS:O	1:C:721:SER:OG	2.31	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.62	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.48
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.43	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.48
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.48
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.43	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.48
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.48
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.48
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.48
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.48
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.48
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.48
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.48
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:257:ILE:O	1:C:257:ILE:CG1	2.50	0.48
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.48
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.48
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.43	0.48
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:615:GLU:CD	1:C:617:LEU:H	2.16	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.48
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.48
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.48
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.48
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.43	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.48
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.48
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.48
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.48
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.70	0.48
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.48
1:C:573:GLN:O	1:C:573:GLN:NE2	2.36	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.48
3:Z:69:LEU:HD23	3:Z:69:LEU:HA	1.66	0.48
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.96	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.38	0.48
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:770:LEU:HD23	1:C:770:LEU:HA	1.60	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.48
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.48
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.48
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:800:LYS:C	1:C:804:GLN:H	2.19	0.48
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.95	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.48
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.48
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.48
2:Y:89:ILE:CD1	2:Y:145:THR:CG2	2.90	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.48
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.48
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.77	0.48
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.48
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.48
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.43	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.48
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.48
1:C:505:ILE:HA	1:C:767:LEU:N	2.28	0.48
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.48
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.48
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.13	0.48
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.48
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.48
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.48
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.48
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.48
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.48
3:Z:12:LYS:O	3:Z:13:ASP:C	2.53	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:220:ILE:CG1	1:C:221:GLN:N	2.76	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:494:ILE:C	1:C:494:ILE:HD12	2.38	0.48
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.48
2:Y:106:ILE:CD1	2:Y:106:ILE:C	2.79	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.77	0.48
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.26	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.48
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.48
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.48
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.48
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.48
1:C:164:VAL:HG21	1:C:775:ASP:OD1	2.12	0.48
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.48
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.48
2:Y:108:TYR:OH	3:Z:120:GLU:O	2.30	0.48
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.48
2:Y:101:THR:OG1	3:Z:127:LYS:CE	2.60	0.48
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.45	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.48
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.48
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.91	0.48
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.48
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.48
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.48
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.78	0.48
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.48
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.48
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.48
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.26	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.48
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
1:C:800:LYS:O	1:C:801:LEU:HA	2.13	0.48
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.48
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.48
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.48
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.48
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.66	0.48
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.48
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.48
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.21	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.13	0.48
1:C:800:LYS:O	1:C:803:ASP:OD1	2.30	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.48
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.48
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.48
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.48
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:505:ILE:CD1	1:C:506:ALA:H	2.18	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.27	0.48
2:Y:115:ASN:N	2:Y:115:ASN:ND2	2.62	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.48
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.48
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.48
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.48
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.45	0.48
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.48
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.48
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.48
1:C:276:GLN:NE2	1:C:279:GLU:HG3	2.27	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:499:GLU:HA	1:C:760:VAL:N	2.26	0.48
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.48
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:505:ILE:CA	1:C:754:ARG:C	2.87	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.48
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.48
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.28	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.53	0.48
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.48
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.26	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.48
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.28	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.48
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.48	0.48
1:C:297:ASN:ND2	1:C:297:ASN:N	2.61	0.48
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.48
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.48
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.48
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.48
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.48
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.48
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.48
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.48
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.48
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.48
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.48
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:290:SER:O	1:C:291:ASN:CB	2.60	0.48
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.48
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.48
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.48
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.77	0.48
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.48
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.48
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.62	0.48
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.48
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.77	0.48
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.48
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.62	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.48
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.48
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.28	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.53	0.48
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.48
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.48
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.48
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.48
1:C:220:ILE:CG1	1:C:221:GLN:N	2.76	0.48
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.48
1:C:280:ARG:CG	1:C:281:ASN:N	2.73	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:344:GLU:O	1:C:348:MET:HG2	2.13	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.96	0.48
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
2:Y:99:GLN:OE1	3:Z:127:LYS:HE2	2.13	0.48
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.48
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.48
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.13	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.62	0.48
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.28	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.53	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.48
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.48
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.62	0.48
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.48
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.48
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
1:C:771:GLU:OE1	1:C:775:ASP:OD2	2.32	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.48
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.48
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.48
1:C:573:GLN:O	1:C:573:GLN:NE2	2.36	0.48
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.14	0.48
1:C:799:LYS:HA	1:C:802:GLN:CB	2.11	0.48
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.48
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.96	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.48
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.48
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.76	0.48
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.48
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.48
2:Y:93:PHE:C	2:Y:95:MET:H	2.20	0.48
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:139:LYS:N	3:Z:113:LEU:CD2	2.44	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.13	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.38	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.48
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.48
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:296:LEU:HD23	1:C:299:VAL:CG2	2.28	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.53	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.48
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.48
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.62	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.48
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.41	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.48
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.48
3:Z:145:VAL:HG23	3:Z:146:LYS:N	2.27	0.48
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.13	0.48
1:C:681:LEU:HD23	1:C:681:LEU:HA	1.62	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
2:Y:93:PHE:C	2:Y:95:MET:H	2.20	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.48
1:C:506:ALA:N	1:C:754:ARG:CG	2.76	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.13	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.48
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.48
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.48
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.96	0.48
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.13	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:497:GLN:HG2	1:C:763:LYS:N	2.29	0.48
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.48
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.48
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.13	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.48
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.76	0.48
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.48
1:C:144:ARG:HD3	1:C:774:ARG:NH1	2.27	0.48
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.23	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
3:Z:37:CYS:SG	3:Z:75:LEU:HD13	2.49	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:785:PHE:CD1	3:Z:86:TYR:HD2	2.20	0.48
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.13	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.48
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.48
1:C:417:ASN:HD22	1:C:418:GLN:N	2.07	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.48
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.10	0.48
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.41	0.48
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.13	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:502:LYS:CB	1:C:759:LYS:N	2.65	0.48
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
1:C:800:LYS:NZ	2:Y:95:MET:CG	2.69	0.48
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.48
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.48
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:726:ASN:N	1:C:726:ASN:ND2	2.61	0.48
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.48
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:305:ASP:OD1	1:C:308:LEU:HG	2.12	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.48
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.13	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
1:C:773:MET:CA	1:C:776:GLU:HG2	2.39	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.48
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.48
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.48
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.48
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:603:ASN:OD1	1:C:606:VAL:CB	2.49	0.48
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.48	0.48
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.48
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.48
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.60	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.48
1:C:725:PRO:CD	1:C:777:ARG:NH2	2.77	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.13	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.60	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
1:C:800:LYS:O	1:C:803:ASP:OD1	2.30	0.48
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.48
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.76	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.13	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.48
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.48
1:C:802:GLN:HG3	3:Z:17:LEU:HD12	1.90	0.48
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.48
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.48
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.48
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.48
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.48
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.48
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.48
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.48
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.60	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.48
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.10	0.48
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.48
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.48
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.48
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.48
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.48
1:C:268:GLU:CD	1:C:271:ARG:HB3	2.37	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.48
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.48
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.96	0.48
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.62	0.48
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.59	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.48
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.48
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.73	0.48
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.48
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.13	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:414:GLN:HB3	1:C:418:GLN:HB3	1.93	0.48
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.48
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.48
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.48
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.48
1:C:95:ASN:O	1:C:97:ALA:N	2.46	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.48
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.60	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.48
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.48
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.48
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.77	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:808:LEU:HD23	1:C:808:LEU:HA	1.61	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.48
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.48
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.48
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.48
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.48
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.48
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.48
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.48
1:C:345:LYS:O	1:C:345:LYS:CG	2.59	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.48
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.48
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.13	0.48
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.48
1:C:726:ASN:N	1:C:726:ASN:ND2	2.61	0.48
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.48
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.62	0.48
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:165:THR:N	1:C:774:ARG:O	2.40	0.48
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.77	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
3:Z:15:PHE:CE1	3:Z:28:VAL:CG1	2.95	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.48
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
1:C:507:TRP:CH2	1:C:707:PHE:N	2.72	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.48	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.48
1:C:800:LYS:O	1:C:803:ASP:OD1	2.30	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.77	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.48
1:C:801:LEU:HD21	3:Z:21:TRP:CZ3	2.48	0.48
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.48
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.48
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.48
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.48
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.77	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.48	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
1:C:500:TYR:HB2	1:C:754:ARG:HG3	1.96	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
1:C:717:LYS:HZ2	1:C:738:VAL:CB	2.14	0.48
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.48
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.48
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.48
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.48
1:C:819:LEU:HD23	1:C:819:LEU:HA	1.62	0.48
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.77	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.77	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.77	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.48
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.48
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.78	0.48
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.48
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.48	0.48
1:C:506:ALA:CA	1:C:754:ARG:HH21	2.26	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.48	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.48
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.48
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.48
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.66	0.48
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.43	0.48
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.48
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.48
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.48
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.72	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.96	0.48
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.65	0.48
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.48
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.48
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.48
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.48
2:Y:106:ILE:HG23	2:Y:107:GLU:N	2.28	0.48
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.65	0.48
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.48
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.62	0.48
1:C:490:HIS:CG	1:C:494:ILE:HG12	2.48	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.48
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.48
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.48
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.48
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.48	0.48
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.48
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.48
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.48	0.48
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.48
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
2:Y:138:LYS:CE	3:Z:123:ASP:H	2.26	0.48
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.48	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.48
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.48
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.48
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.10	0.48
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:615:GLU:CD	1:C:617:LEU:H	2.16	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:103:LEU:HD23	1:C:103:LEU:HA	1.60	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.48	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.48
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.48	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.48	0.48
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.48
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.48
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.48
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.48
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.58	0.48
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.48
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.48
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.48
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:193:LEU:HD11	1:C:251:PHE:CE2	2.48	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.48	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.48
2:Y:93:PHE:C	2:Y:95:MET:H	2.19	0.48
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.48
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.48
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.48
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.43	0.48
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.48
1:C:163:MET:SD	1:C:170:GLN:HG2	2.50	0.48
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.48
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.48
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
1:C:229:TYR:CG	1:C:284:ILE:HD11	2.48	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.48	0.48
1:C:384:ALA:HA	1:C:387:CYS:SG	2.52	0.48
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.48
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.48
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.48
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.48
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.48
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.48
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.48
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.48
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.48
1:C:313:ASN:ND2	1:C:313:ASN:N	2.62	0.48
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.48
1:C:800:LYS:C	1:C:801:LEU:HA	2.36	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.25	0.48
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.48
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.48
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.48
1:C:745:GLY:O	1:C:747:GLN:N	2.45	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.48
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.48
2:Y:116:MET:CE	3:Z:21:TRP:CD1	2.95	0.48
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.48
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:497:GLN:C	1:C:753:TYR:HA	2.39	0.48
1:C:510:ILE:HG21	1:C:763:LYS:HZ2	1.78	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.48
3:Z:106:LEU:HD23	3:Z:106:LEU:HA	1.61	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.48
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.48
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.48
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.48
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.48
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.48
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.79	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.13	0.48
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.48
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.48
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.48
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
1:C:505:ILE:CA	1:C:755:LEU:HB2	2.43	0.48
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.48
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.48
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.48
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.48
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.48
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:313:ASN:N	1:C:313:ASN:ND2	2.62	0.48
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.48
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.48
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.48
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.48
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.48
1:C:81:LYS:NZ	1:C:772:GLU:CB	2.41	0.48
1:C:144:ARG:NH2	1:C:715:GLU:OE2	2.47	0.48
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.48
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.11	0.48
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.48
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.48
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.48
3:Z:128:LEU:HD23	3:Z:128:LEU:HA	1.60	0.48
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.48
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.48
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.48
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.48
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.48
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.48
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.48
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:288:ILE:HD12	1:C:288:ILE:O	2.12	0.48
1:C:505:ILE:CB	1:C:754:ARG:CB	2.88	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.48
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.48
1:C:193:LEU:HD11	1:C:251:PHE:CE2	2.48	0.48
1:C:477:ILE:C	1:C:477:ILE:HD12	2.39	0.48
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.48
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.48
1:C:193:LEU:HD11	1:C:251:PHE:CE2	2.48	0.48
1:C:477:ILE:C	1:C:477:ILE:HD12	2.39	0.48
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:313:ASN:N	1:C:313:ASN:ND2	2.62	0.48
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.48
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.48
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.48
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.48
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.48
3:Z:11:LEU:HD13	3:Z:68:PHE:CE2	2.47	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:799:LYS:CE	2:Y:95:MET:SD	3.01	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:505:ILE:CB	1:C:754:ARG:HB3	2.39	0.48
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.48
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.48
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:313:ASN:N	1:C:313:ASN:ND2	2.62	0.48
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.48
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.48
2:Y:37:LYS:HD2	2:Y:56:LEU:HD12	1.94	0.48
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.48
1:C:193:LEU:HD11	1:C:251:PHE:CE2	2.48	0.48
1:C:477:ILE:C	1:C:477:ILE:HD12	2.39	0.48
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.48
1:C:805:ARG:N	3:Z:21:TRP:CH2	2.81	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.48
2:Y:86:GLU:O	2:Y:89:ILE:HD11	2.12	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.48
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.48
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.48
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.48
1:C:462:ALA:C	1:C:463:GLY:HA2	2.35	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.48
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:257:ILE:O	1:C:257:ILE:CG1	2.50	0.48
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.48
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.48
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
1:C:805:ARG:CD	3:Z:20:PHE:HE2	2.16	0.48
2:Y:115:ASN:N	2:Y:115:ASN:ND2	2.62	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.58	0.48
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.48
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.70	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:313:ASN:N	1:C:313:ASN:ND2	2.62	0.48
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:542:ALA:CB	1:C:547:PHE:CZ	2.92	0.48
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.66	0.48
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:HD11	1:C:251:PHE:CE2	2.48	0.48
1:C:477:ILE:C	1:C:477:ILE:HD12	2.39	0.48
1:C:477:ILE:HD12	1:C:481:ASN:OD1	2.12	0.48
1:C:501:LYS:HB3	1:C:760:VAL:CA	2.32	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.48
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.48
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.53	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.78	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.13	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.48
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:595:LEU:CD1	1:C:595:LEU:C	2.76	0.48
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.48
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.77	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.48
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.46	0.48
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.48
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.48
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.48
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.48
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:712:ILE:CD1	1:C:715:GLU:CB	2.81	0.48
1:C:801:LEU:HD12	3:Z:17:LEU:HD21	1.88	0.48
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:166:ASP:N	1:C:720:TYR:CE1	2.80	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.48
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.48
1:C:506:ALA:HB2	1:C:767:LEU:CB	2.42	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.48
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.48
2:Y:89:ILE:CG1	2:Y:145:THR:HG21	2.41	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.48
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.48
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.48
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.48
1:C:796:LYS:HZ1	3:Z:128:LEU:HD22	1.76	0.48
1:C:819:LEU:HD23	1:C:819:LEU:HA	1.62	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.48
2:Y:115:ASN:N	2:Y:115:ASN:ND2	2.62	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.48
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.48
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.48
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.48
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.48
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.48
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.48
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
1:C:801:LEU:HD21	3:Z:21:TRP:CZ3	2.48	0.48
2:Y:115:ASN:N	2:Y:115:ASN:ND2	2.62	0.48
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.48
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.48
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.48
1:C:500:TYR:HB3	1:C:754:ARG:CB	2.41	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.48
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.48
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.48
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.77	0.48
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.48
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:507:TRP:CE3	1:C:707:PHE:CD1	3.02	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.21	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.48
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.68	0.48
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:615:GLU:CD	1:C:617:LEU:H	2.16	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:726:ASN:N	1:C:726:ASN:ND2	2.62	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.48
1:C:257:ILE:O	1:C:257:ILE:CG1	2.50	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:615:GLU:CD	1:C:617:LEU:H	2.16	0.48
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.48
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.77	0.48
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:103:LEU:HD23	1:C:103:LEU:HA	1.60	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.48
1:C:799:LYS:C	1:C:802:GLN:H	2.17	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.77	0.48
2:Y:123:ASP:O	2:Y:127:MET:CG	2.56	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
1:C:126:TYR:CD1	1:C:677:LYS:O	2.65	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.48
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.48
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.48
3:Z:11:LEU:HD23	3:Z:40:LEU:HD11	1.93	0.48
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.62	0.48
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:498:GLU:CD	1:C:755:LEU:CG	2.87	0.48
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.48
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.48
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.48
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.48
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.48
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.48
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:615:GLU:CD	1:C:617:LEU:H	2.16	0.48
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.48
1:C:12:TYR:CD1	1:C:13:LEU:HG	2.47	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.48
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.48
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
3:Z:128:LEU:HD23	3:Z:128:LEU:HA	1.61	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.44	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.64	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.48
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:505:ILE:O	1:C:753:TYR:HD1	1.96	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:615:GLU:CD	1:C:617:LEU:H	2.16	0.48
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.48
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.48
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.43	0.48
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.48
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.48
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.48	0.48
1:C:684:ALA:O	1:C:687:VAL:HG23	2.11	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.14	0.48
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.48
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.48
1:C:313:ASN:N	1:C:313:ASN:ND2	2.62	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.48
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.48
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.48
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.48
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.70	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.13	0.48
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.27	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:615:GLU:CD	1:C:617:LEU:H	2.16	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.58	0.48
1:C:143:LYS:CE	1:C:775:ASP:HA	2.39	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.48
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.48
1:C:610:LEU:HA	1:C:610:LEU:HD23	1.62	0.48
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.48
1:C:694:ASN:HD22	1:C:695:GLY:H	1.59	0.48
1:C:703:CYS:HA	1:C:708:PRO:CG	2.43	0.48
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:615:GLU:CD	1:C:617:LEU:H	2.16	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.48
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.48
1:C:726:ASN:N	1:C:726:ASN:ND2	2.62	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.48
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.48
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.48
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.48
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.48
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:103:LEU:CD2	1:C:121:ILE:CD1	2.89	0.48
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.48
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.48
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.77	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
2:Y:117:GLY:N	3:Z:20:PHE:C	2.65	0.48
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.77	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.77	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.48
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.48
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.48
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:507:TRP:CZ3	1:C:707:PHE:CE1	3.02	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.48
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:249:ILE:HD12	1:C:249:ILE:C	2.38	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.48
1:C:772:GLU:O	1:C:776:GLU:CB	2.62	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.61	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:147:GLU:HG3	1:C:774:ARG:HH22	1.73	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:533:LEU:HD23	1:C:533:LEU:HA	1.63	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:504:GLY:O	1:C:755:LEU:C	2.56	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.48
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.77	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.48
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.53	0.48
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.77	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:799:LYS:C	1:C:801:LEU:H	2.21	0.48
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.77	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.44	0.48
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.48
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.48
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.48
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.48
1:C:85:LEU:C	1:C:85:LEU:CD1	2.78	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.48
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.48
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.48
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.95	0.48
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.48
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.48
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.48
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
2:Y:115:ASN:N	2:Y:115:ASN:ND2	2.62	0.48
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.48
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.48
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.48
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.48
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.75	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.48
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.48
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.27	0.48
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.62	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.44	0.48
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.48
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.48
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.48
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.48
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.21	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.14	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
3:Z:33:LEU:HD23	3:Z:33:LEU:HA	1.63	0.48
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.48
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48
2:Y:102:LYS:O	2:Y:103:LYS:HG2	2.07	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.48
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.48
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.48
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.48
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.48
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.48
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.48
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.44	0.48
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.48
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.48
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.48
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.48
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.48
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.48
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.15	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.48
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.48
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.03	0.48
2:Y:127:MET:SD	2:Y:130:LYS:NZ	2.77	0.48
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.11	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.48
1:C:85:LEU:C	1:C:85:LEU:CD1	2.78	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.44	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:467:PHE:CD2	1:C:469:PHE:N	2.66	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.48
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.48
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.48
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.48	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.48
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.48
1:C:195:LYS:HZ1	3:Z:108:HIS:CE1	2.30	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:402:LYS:HA	1:C:411:THR:HA	1.96	0.48
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.48
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.48
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.48
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.48
1:C:88:MET:HE1	1:C:102:ASN:CB	2.44	0.48
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.48
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.48
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.48
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
2:Y:103:LYS:CB	3:Z:127:LYS:HB2	1.98	0.48
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.48
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.48
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.48
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.48
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.48
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.48
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.48
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:338:LEU:CG	1:C:340:PHE:HE2	2.21	0.48
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.48
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.48
1:C:335:PHE:CG	1:C:345:LYS:CG	2.90	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.14	0.48
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.48
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.48
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.48
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:313:ASN:N	1:C:313:ASN:ND2	2.62	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.48
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.48
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.48
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.48
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.48
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.48
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.14	0.48
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.78	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.48
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.48
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.48
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.48
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.13	0.48
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.48
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.48
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.48
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.48
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.48
1:C:509:PHE:N	1:C:752:GLU:CA	2.32	0.48
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.48
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.14	0.48
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.48
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.48
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.48
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.48
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.48
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.48
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.48
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.14	0.48
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.48
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.48
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.48
1:C:796:LYS:HZ1	3:Z:128:LEU:HD22	1.74	0.48
2:Y:116:MET:CE	3:Z:21:TRP:O	2.62	0.48
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.48
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.48
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.48
1:C:173:LEU:HD11	1:C:660:LEU:HD13	1.94	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.48
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.48
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.48
3:Z:110:LEU:HD23	3:Z:110:LEU:HA	1.64	0.48
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.48
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.48
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.48
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.26	0.48
2:Y:93:PHE:C	2:Y:95:MET:H	2.20	0.48
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.48
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.48
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.48
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.48
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.14	0.48
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.48
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.48
2:Y:116:MET:CE	3:Z:21:TRP:O	2.62	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.48
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.48
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.48
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.48
1:C:746:LEU:HD23	1:C:746:LEU:HA	1.64	0.48
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.76	0.48
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.48
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.48
1:C:507:TRP:HA	1:C:707:PHE:HE2	1.79	0.48
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.48
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.14	0.48
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.48
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.48
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.48
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.48
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.48
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.48
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.48
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.48
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.48
1:C:460:ASP:CG	1:C:460:ASP:O	2.55	0.48
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.48
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.14	0.48
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.48
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.48
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.48
1:C:506:ALA:HB3	1:C:754:ARG:NH2	2.16	0.48
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:113:LEU:HD23	2:Y:113:LEU:HA	1.65	0.48
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.48
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.48
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.48
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:705:LYS:CA	1:C:706:GLY:N	2.69	0.48
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.48
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.48
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.48
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.48
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.48
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.48
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.48
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.48
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.48
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:502:LYS:C	1:C:713:TYR:CZ	2.91	0.48
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.48
3:Z:106:LEU:HD23	3:Z:106:LEU:HA	1.60	0.48
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:503:GLU:O	1:C:760:VAL:HA	1.98	0.48
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.48
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.48
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.48
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.48
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.48
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.48
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.48
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.48
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.48
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.48
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.48
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.48
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.48
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.48
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.48
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.77	0.48
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.48
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.48	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.48
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.48
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.48
2:Y:116:MET:CE	3:Z:21:TRP:O	2.62	0.48
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.48
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.48
1:C:721:SER:C	1:C:723:LEU:H	2.21	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.90	0.48
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.48
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.48
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.48
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.48
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.48
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.48
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.48
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.48
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.48
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.48
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.48
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.48
1:C:138:ALA:HA	3:Z:113:LEU:CD1	2.43	0.48
1:C:140:TYR:CE2	1:C:153:PHE:O	2.67	0.48
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.48
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.48
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.48
2:Y:116:MET:CE	3:Z:21:TRP:NE1	2.77	0.48
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.48
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.48
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.48
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.48
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.48
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.48
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.48
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.48
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.43	0.48
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.48
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.48
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.48
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.48
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.48
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.48
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.48
1:C:129:LEU:CD1	1:C:129:LEU:C	2.76	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:505:ILE:CB	1:C:761:PHE:CD1	2.83	0.48
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.48
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.48
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.48
1:C:10:PHE:HD1	1:C:11:GLN:N	2.07	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:781:ILE:HG13	1:C:782:ILE:HG12	1.94	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.48
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
1:C:167:ARG:HD2	1:C:721:SER:N	2.29	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.48
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.48
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:129:LEU:CD1	1:C:129:LEU:C	2.76	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.48
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.48
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.48
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.48
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.48
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.48
1:C:129:LEU:CD1	1:C:129:LEU:C	2.76	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:503:GLU:HB2	1:C:710:ARG:CB	2.24	0.48
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.48
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:499:GLU:CB	1:C:710:ARG:NH1	2.77	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.48
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.48
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.48
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.48
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.48
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.48
1:C:499:GLU:CB	1:C:710:ARG:NH1	2.77	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.48
1:C:615:GLU:OE1	1:C:616:PRO:CD	2.61	0.48
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.48
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.48
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.48
3:Z:131:LEU:HD23	3:Z:131:LEU:HA	1.61	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.48
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.43	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:126:TYR:CD1	1:C:677:LYS:O	2.65	0.48
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.48
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.48	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.48
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.48
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.48
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.48
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.48
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.48
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.48
3:Z:110:LEU:C	3:Z:117:LEU:HD11	2.34	0.48
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.48
1:C:129:LEU:CD1	1:C:129:LEU:C	2.76	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:504:GLY:HA3	1:C:743:LEU:CD1	2.42	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.48
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:499:GLU:CB	1:C:710:ARG:NH1	2.77	0.48
1:C:533:LEU:HD23	1:C:533:LEU:HA	1.63	0.48
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.48
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.48
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.48
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.48
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.48
1:C:129:LEU:CD1	1:C:129:LEU:C	2.76	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.48
2:Y:98:GLU:CG	2:Y:99:GLN:N	2.65	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
1:C:166:ASP:HA	1:C:719:ARG:HB3	1.75	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:500:TYR:HB3	1:C:754:ARG:HG3	1.61	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.48
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.48
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:505:ILE:HD11	1:C:763:LYS:HB3	1.96	0.48
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.48
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.48
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.48
2:Y:116:MET:CE	3:Z:21:TRP:O	2.62	0.48
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.48
1:C:129:LEU:CD1	1:C:129:LEU:C	2.76	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.48
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.48
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.48
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.48
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.48
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.48
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.48
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.48
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.48
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.48
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.48
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.48
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.70	0.48
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.48
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.48
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.48
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.48
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.48
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.48
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.48
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.48
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.48
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.48
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.48
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.48
1:C:313:ASN:ND2	1:C:313:ASN:N	2.62	0.48
1:C:417:ASN:HD22	1:C:418:GLN:N	2.07	0.48
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.48
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.48
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.48
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.48
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.76	0.48
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.48
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.62	0.48
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.48
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.48
1:C:101:TYR:O	1:C:105:SER:OG	2.20	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.48
2:Y:90:ARG:NH1	3:Z:127:LYS:CE	2.76	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.48
2:Y:93:PHE:C	2:Y:95:MET:H	2.20	0.48
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.48
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.48
1:C:101:TYR:O	1:C:105:SER:OG	2.20	0.48
1:C:500:TYR:CA	1:C:761:PHE:HB2	2.44	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.48
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.48
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.48
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.48
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.48
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.48
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48
2:Y:116:MET:CE	3:Z:21:TRP:O	2.62	0.48
1:C:120:CYS:HG	1:C:668:VAL:HG12	1.76	0.48
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.48
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.48
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.48
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.48
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.48
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.48
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.48
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.48
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.48
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.59	0.48
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.48
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.48
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.48
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.10	0.48
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.48
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.48
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.48
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.48
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.48
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.48
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.48
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.48
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.48
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.48
1:C:101:TYR:O	1:C:105:SER:OG	2.20	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.48
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.48
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.48
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.48
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.48
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.48
1:C:313:ASN:N	1:C:313:ASN:ND2	2.62	0.48
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.48
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.48
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.48
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.48
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.48
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.48
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.48
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.48
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.48
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.48
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.48
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.48
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.48
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.48
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.48
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.48
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.48
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.48
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.48
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.48
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.48
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.48

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.48
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.48
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.48
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.48
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.48
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.48
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.48
3:Z:128:LEU:HD23	3:Z:128:LEU:HA	1.61	0.48
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.48
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.48
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.48
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.48
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.48
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.48
1:C:145:LYS:CG	1:C:768:GLY:HA2	2.36	0.48
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.48
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.48
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.48
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.48
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.48
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.48
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.48
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.48
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.48
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.48
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.48
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.48
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.48
1:C:101:TYR:O	1:C:105:SER:OG	2.20	0.48
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.48
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.48
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.48
2:Y:106:ILE:CD1	2:Y:106:ILE:C	2.79	0.48
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.47
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.47
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.47
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.47
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.47
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.47
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.47
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.47
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.47
2:Y:116:MET:CE	3:Z:21:TRP:O	2.62	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.47
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.47
1:C:801:LEU:HD12	3:Z:17:LEU:CD2	2.36	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.47
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.47
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.47
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:115:ASN:N	2:Y:115:ASN:ND2	2.62	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.47
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.47
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.47
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.47
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.47
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.47
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.47
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:500:TYR:CD1	1:C:708:PRO:C	2.88	0.47
1:C:505:ILE:N	1:C:709:SER:HB3	2.19	0.47
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.47
1:C:800:LYS:CA	1:C:803:ASP:OD1	2.60	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.47
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.47
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.47
2:Y:108:TYR:OH	3:Z:124:GLU:N	2.46	0.47
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.47
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.47
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.47
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.47
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.47
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.47
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.47
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.47
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.47
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.47
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.47
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.47
2:Y:112:LEU:HD23	2:Y:112:LEU:HA	1.63	0.47
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.47
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.47
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:10:PHE:HD1	1:C:11:GLN:N	2.08	0.47
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.47
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:802:GLN:NE2	3:Z:17:LEU:CB	2.73	0.47
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.47
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.47
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.47
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.47
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.47
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.47
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.47
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.47
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.47
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.47
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.47
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.47
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.47
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.47
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.47
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.47
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.47
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.63	0.47
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.47
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.47
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.47
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.47
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:508:GLU:HB2	1:C:751:ALA:CA	2.44	0.47
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.47
1:C:800:LYS:HG3	1:C:803:ASP:CG	2.36	0.47
1:C:800:LYS:HZ2	2:Y:95:MET:HG2	1.73	0.47
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.47
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.47
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.47
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.47
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.47
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.47
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.47
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.47
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.47
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.47
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.47
1:C:272:VAL:CG2	1:C:273:THR:N	2.70	0.47
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.47
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.47
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.47
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.47
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.13	0.47
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.47
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.47
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.47
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:116:MET:CE	3:Z:21:TRP:O	2.62	0.47
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.04	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.47
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.77	0.47
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.47
1:C:796:LYS:NZ	3:Z:128:LEU:CD2	2.67	0.47
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.47
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.47
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.47
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.47
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.47
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.47
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.64	0.47
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.47
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.47
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.47
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.47
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.47
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.47
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.47
1:C:502:LYS:CD	1:C:713:TYR:OH	2.57	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.47
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.11	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.47
1:C:507:TRP:HB3	1:C:754:ARG:HG2	1.95	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.46	0.47
2:Y:100:GLU:OE2	3:Z:128:LEU:C	2.56	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.47
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.47
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.47
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.47
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.47
1:C:299:VAL:HG23	1:C:300:MET:HG3	1.95	0.47
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.38	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:545:LYS:O	1:C:549:ASP:OD2	2.32	0.47
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.47
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.47
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.47
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.47
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.47
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.47
1:C:801:LEU:CD2	3:Z:21:TRP:CZ3	2.97	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
3:Z:69:LEU:N	3:Z:70:PRO:HD2	2.28	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.47
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.47
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.15	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.47
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.47
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.47
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.47
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.47
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
1:C:140:TYR:CE2	1:C:153:PHE:O	2.67	0.47
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.04	0.47
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.47
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.47
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.47
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.47
1:C:573:GLN:O	1:C:573:GLN:NE2	2.36	0.47
1:C:577:HIS:CE1	1:C:591:ILE:HD13	2.45	0.47
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.47
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.47
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:166:ASP:OD1	1:C:715:GLU:CB	2.45	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:500:TYR:HH	1:C:707:PHE:C	2.22	0.47
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.47
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.47
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.47
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.47
1:C:686:LEU:O	1:C:689:HIS:HB3	2.13	0.47
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.47
1:C:502:LYS:O	1:C:711:LEU:HB3	2.12	0.47
1:C:502:LYS:HG3	1:C:760:VAL:HG13	1.96	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
1:C:721:SER:C	1:C:723:LEU:H	2.20	0.47
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.47
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.47
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.47
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:110:LEU:HD23	3:Z:110:LEU:HA	1.64	0.47
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.47
1:C:218:GLN:OE1	1:C:218:GLN:N	2.40	0.47
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.47
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.47
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.47
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.47
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.47
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:534:GLU:CD	1:C:644:THR:HG1	2.13	0.47
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.47
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.47
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:174:ILE:HG12	1:C:186:THR:CG2	2.42	0.47
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:694:ASN:ND2	1:C:694:ASN:N	2.62	0.47
2:Y:85:SER:HG	2:Y:88:THR:H	1.54	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.47
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.47
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.47
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.47
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.47
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.47
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.47
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.47
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.47
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.47
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:355:ILE:C	1:C:357:HIS:N	2.71	0.47
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:745:GLY:O	1:C:747:GLN:HG2	2.13	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
1:C:745:GLY:O	1:C:747:GLN:HG2	2.13	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.47
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.47
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.47
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.47
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.71	0.47
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.47
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.47
3:Z:93:PHE:HE2	3:Z:101:ILE:HG13	1.73	0.47
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.15	0.47
3:Z:69:LEU:HD23	3:Z:69:LEU:HA	1.66	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.47
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.47
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.47
1:C:13:LEU:O	1:C:111:LEU:HD21	2.13	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.47
1:C:218:GLN:OE1	1:C:218:GLN:N	2.40	0.47
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.47
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.47
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.47
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.47
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.47
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.47
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.47
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.47
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.10	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.47
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.47
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.47
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.47
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.47
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.47
1:C:297:ASN:ND2	1:C:297:ASN:N	2.61	0.47
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.47
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.47
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.47
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
1:C:13:LEU:O	1:C:111:LEU:HD21	2.14	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.47
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.47
1:C:715:GLU:C	3:Z:91:LYS:HE2	2.39	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.47
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.47
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.47
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.47
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.47
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.77	0.47
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.47
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.47
1:C:686:LEU:O	1:C:689:HIS:HB3	2.14	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.47
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.47
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.47
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.47
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.47
1:C:502:LYS:HG3	1:C:713:TYR:CE1	2.49	0.47
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.47
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.47
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.47
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.47
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.47
2:Y:98:GLU:CG	2:Y:99:GLN:N	2.65	0.47
2:Y:106:ILE:O	2:Y:106:ILE:CD1	2.48	0.47
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.47
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.47
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.47
1:C:297:ASN:ND2	1:C:297:ASN:N	2.61	0.47
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.47
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.47
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.47
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.47
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.43	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.47
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.47
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.47
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.47
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.47
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.47
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.47
1:C:798:TYR:O	1:C:802:GLN:CA	2.63	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.47
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.47
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.47
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.47
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.47
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.47
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.47
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.47
1:C:297:ASN:ND2	1:C:297:ASN:N	2.61	0.47
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.47
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.47
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:116:MET:CE	3:Z:21:TRP:O	2.62	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.62	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.47
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.47
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.47
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.47
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.47
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.47
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.47
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.47
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.47
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.47
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.47
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.47
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.47
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.47
1:C:226:LEU:HD23	1:C:226:LEU:HA	1.63	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.47
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.47
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.47
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.47
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.47
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.47
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.47
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.47
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.70	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.47
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.47
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.47
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.47
1:C:615:GLU:CD	1:C:617:LEU:H	2.16	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
1:C:805:ARG:CD	3:Z:20:PHE:CD2	2.97	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.47
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.47
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.47
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.47
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.60	0.47
1:C:139:LYS:N	3:Z:113:LEU:HD21	1.67	0.47
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:712:ILE:CD1	1:C:715:GLU:CB	2.81	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.47
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.47
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.47
1:C:297:ASN:ND2	1:C:297:ASN:N	2.61	0.47
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.47
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.47
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.47
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.47
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:145:LYS:HG3	1:C:158:ASN:ND2	2.27	0.47
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.47
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.47
1:C:771:GLU:O	1:C:775:ASP:OD2	2.31	0.47
2:Y:112:LEU:HD23	2:Y:112:LEU:HA	1.63	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.47
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.47
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.62	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.47
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.47
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
2:Y:20:MET:O	2:Y:23:ALA:HB3	2.13	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.47
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.47
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.47
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.47
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.47
1:C:311:PHE:HD1	1:C:312:ILE:HG22	1.78	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.47
1:C:709:SER:CB	1:C:710:ARG:N	2.76	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.15	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.47
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.47
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.47
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.47
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:661:TYR:OH	1:C:759:LYS:NZ	2.48	0.47
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.47
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.47
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.47
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.47
1:C:311:PHE:HD1	1:C:312:ILE:HG22	1.78	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.47
1:C:497:GLN:NE2	1:C:763:LYS:N	2.55	0.47
1:C:501:LYS:CE	1:C:716:PHE:CZ	2.73	0.47
1:C:509:PHE:N	1:C:752:GLU:HA	1.76	0.47
1:C:713:TYR:HD2	1:C:739:SER:HG	1.62	0.47
1:C:729:PRO:HG2	1:C:741:LYS:HZ2	1.79	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.40	0.47
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.47
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.47
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.47
1:C:311:PHE:HD1	1:C:312:ILE:HG22	1.78	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.47
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.47
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.47
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.47
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.47
1:C:55:GLU:OE1	1:C:68:THR:CB	2.33	0.47
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
2:Y:60:LEU:C	2:Y:62:GLU:H	2.20	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.47
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.47
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.47
3:Z:11:LEU:CD2	3:Z:40:LEU:CD1	2.87	0.47
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:745:GLY:O	1:C:747:GLN:HG2	2.13	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
1:C:218:GLN:OE1	1:C:218:GLN:N	2.41	0.47
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.47
1:C:344:GLU:O	1:C:348:MET:HG2	2.13	0.47
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.47
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.47
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.13	0.47
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.47
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.47
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.40	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.47
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.47
1:C:311:PHE:HD1	1:C:312:ILE:HG22	1.78	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.47
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.47
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:344:GLU:O	1:C:348:MET:HG2	2.13	0.47
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.47
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.47
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.47
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.47
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.47
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.47
1:C:311:PHE:HD1	1:C:312:ILE:HG22	1.78	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.47
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.47
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.47
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.47
1:C:505:ILE:CD1	1:C:751:ALA:C	2.87	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.47
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.15	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.47
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.47
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.47
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.47
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.47
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.47
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.47
1:C:311:PHE:HD1	1:C:312:ILE:HG22	1.78	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.47
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.47
1:C:503:GLU:HB2	1:C:761:PHE:HE1	1.72	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.47
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.47
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.47
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.47
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.47
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.47
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.47
1:C:746:LEU:HD23	1:C:746:LEU:HA	1.64	0.47
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.47
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.47
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.47
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.47
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.47
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.47
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.47
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.47
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.47
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.47
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.47
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.47
1:C:800:LYS:O	1:C:804:GLN:N	2.47	0.47
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.47
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.47
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.47
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.47
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.47
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:505:ILE:CG2	1:C:754:ARG:HB2	2.43	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.48	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.47
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
1:C:161:GLN:CD	1:C:719:ARG:NE	2.72	0.47
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.79	0.47
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.44	0.47
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.47
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.80	0.47
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.47
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
1:C:174:ILE:CD1	1:C:182:LYS:CB	2.68	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.47
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.47
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.47
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.47
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.62	0.47
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.47
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.47
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.47
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.47
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:500:TYR:CD1	1:C:761:PHE:CD2	3.02	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.47
3:Z:128:LEU:HD23	3:Z:128:LEU:HA	1.60	0.47
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.47
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.47
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.62	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.47
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.47
1:C:83:GLU:OE2	1:C:84:LYS:HE2	2.13	0.47
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.47
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.47
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.47
2:Y:60:LEU:C	2:Y:62:GLU:N	2.69	0.47
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.47
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.48	0.47
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.47
1:C:801:LEU:HB2	3:Z:17:LEU:HD11	1.96	0.47
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:293:ILE:HG23	1:C:328:PHE:CD2	2.49	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.47
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.47
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.47
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.47
1:C:140:TYR:CE2	1:C:153:PHE:O	2.66	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.47
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.47
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.47
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.47
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.77	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.14	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.47
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.47
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.47
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.47
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.47
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.47
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.47
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.47
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.47
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.71	0.47
1:C:811:ILE:O	1:C:815:ILE:CG2	2.59	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.47
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.47
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:502:LYS:O	1:C:756:GLY:O	2.23	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.47
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.47
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.47
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.47
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.47
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.47
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.47
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.47
1:C:503:GLU:CD	1:C:759:LYS:CE	2.80	0.47
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.47
2:Y:108:TYR:HH	3:Z:120:GLU:C	2.08	0.47
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.47
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.47
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.47
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.47
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.47
1:C:387:CYS:SG	1:C:389:ILE:HG23	2.54	0.47
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.47
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.47
2:Y:104:LEU:HD23	2:Y:104:LEU:HA	1.60	0.47
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.47
1:C:819:LEU:HD23	1:C:819:LEU:HA	1.62	0.47
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.47
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.47
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.47
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.47
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.47
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
2:Y:127:MET:SD	2:Y:130:LYS:NZ	2.77	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.47
2:Y:115:ASN:N	2:Y:115:ASN:ND2	2.62	0.47
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.47
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.47
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.47
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.47
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.47
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.47
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.47
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.47
1:C:805:ARG:HB2	3:Z:21:TRP:CE3	2.49	0.47
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.13	0.47
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.47
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
1:C:745:GLY:O	1:C:747:GLN:HG2	2.13	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.47
1:C:220:ILE:HG13	1:C:221:GLN:HG2	1.95	0.47
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.47
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.47
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.47
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.47
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
2:Y:123:ASP:O	2:Y:127:MET:CG	2.56	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:81:LYS:CE	1:C:772:GLU:CG	2.89	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.47
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.47
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.47
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.47
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.03	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.47
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.14	0.47
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.47
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.47
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.14	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.47
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.47
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.47
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.14	0.47
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.47
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.47
2:Y:116:MET:CE	3:Z:21:TRP:O	2.62	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.47
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.47
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:126:TYR:O	1:C:126:TYR:CG	2.65	0.47
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.47
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.47
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.47
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.47
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.47
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.14	0.47
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.47
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.47
1:C:446:LEU:HD23	1:C:446:LEU:HA	1.70	0.47
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.47
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.47
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.47
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:103:LEU:HD23	1:C:103:LEU:HA	1.60	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.47
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.47
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.62	0.47
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.47
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.47
1:C:801:LEU:CB	3:Z:17:LEU:HD11	2.44	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.47
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.47
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:721:SER:C	1:C:723:LEU:H	2.21	0.47
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.47
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.63	0.47
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.47
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.47
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.64	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:279:GLU:CD	1:C:279:GLU:C	2.61	0.47
1:C:502:LYS:CG	1:C:760:VAL:HG13	2.43	0.47
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.47
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.14	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.47
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:237:ASN:HB2	1:C:240:SER:HG	1.79	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.47
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.47
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.47
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.47
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:796:LYS:HZ1	3:Z:128:LEU:HD22	1.76	0.47
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.47
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.47
1:C:12:TYR:HE1	1:C:13:LEU:HG	1.76	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:519:CYS:HB3	1:C:561:MET:CE	2.43	0.47
1:C:819:LEU:HD23	1:C:819:LEU:HA	1.62	0.47
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.47
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.61	0.47
1:C:218:GLN:OE1	1:C:218:GLN:N	2.41	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:317:LEU:HA	1:C:317:LEU:HD23	1.63	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:507:TRP:HZ2	1:C:763:LYS:NZ	1.94	0.47
1:C:534:GLU:CD	1:C:644:THR:HG1	2.15	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.47
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.47
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:801:LEU:HB2	3:Z:17:LEU:HD11	1.96	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.47
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:237:ASN:HB2	1:C:240:SER:HG	1.79	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
1:C:808:LEU:HD12	3:Z:20:PHE:HE2	1.79	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:534:GLU:CD	1:C:644:THR:HG1	2.15	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:534:GLU:CD	1:C:644:THR:HG1	2.15	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.47
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.62	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.47
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.47
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:237:ASN:HB2	1:C:240:SER:HG	1.79	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.47
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:726:ASN:N	1:C:726:ASN:ND2	2.61	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.62	0.47
1:C:146:THR:HB	1:C:768:GLY:O	2.14	0.47
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.47
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.19	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:237:ASN:HB2	1:C:240:SER:HG	1.79	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.62	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:534:GLU:CD	1:C:644:THR:HG1	2.15	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.47
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.47
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:237:ASN:HB2	1:C:240:SER:HG	1.79	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:534:GLU:CD	1:C:644:THR:HG1	2.15	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
1:C:801:LEU:HD12	3:Z:17:LEU:CD1	2.43	0.47
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.47
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:237:ASN:HB2	1:C:240:SER:HG	1.79	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.47
1:C:12:TYR:CD2	1:C:129:LEU:HB2	2.48	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:237:ASN:HB2	1:C:240:SER:HG	1.79	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.47
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:477:ILE:HD12	1:C:477:ILE:C	2.39	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:507:TRP:O	1:C:754:ARG:NH2	2.46	0.47
1:C:534:GLU:CD	1:C:644:THR:HG1	2.15	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:582:HIS:CD2	1:C:582:HIS:C	2.91	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.47
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.47
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.27	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.47
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.47
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.47
1:C:713:TYR:HD2	1:C:739:SER:HG	1.61	0.47
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.47
1:C:313:ASN:H	1:C:313:ASN:ND2	2.04	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:493:PHE:HZ	1:C:698:GLU:HB3	1.74	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.47
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.47
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.47
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.47
1:C:344:GLU:O	1:C:348:MET:HG2	2.14	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.14	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.47
2:Y:116:MET:CE	3:Z:21:TRP:O	2.62	0.47
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.47
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.47
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:573:GLN:O	1:C:573:GLN:NE2	2.36	0.47
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.47
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:504:GLY:CA	1:C:760:VAL:HA	2.44	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:573:GLN:O	1:C:573:GLN:NE2	2.36	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.47
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.47
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.47
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.47
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.14	0.47
1:C:694:ASN:N	1:C:694:ASN:ND2	2.62	0.47
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.47
1:C:713:TYR:HD2	1:C:739:SER:HG	1.60	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:798:TYR:C	1:C:803:ASP:OD1	2.38	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.47
2:Y:99:GLN:O	3:Z:127:LYS:NZ	2.45	0.47
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.47
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.47
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.47
1:C:505:ILE:HG13	1:C:754:ARG:HG2	1.97	0.47
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.47
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:573:GLN:O	1:C:573:GLN:NE2	2.36	0.47
1:C:753:TYR:CD1	1:C:753:TYR:C	2.93	0.47
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
2:Y:99:GLN:CG	3:Z:124:GLU:O	2.60	0.47
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.47
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.77	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
1:C:163:MET:HE1	1:C:456:ILE:HB	1.94	0.47
1:C:499:GLU:CB	1:C:710:ARG:NH1	2.77	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.47
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.47
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.47
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.47
2:Y:68:ASN:C	2:Y:70:THR:H	2.20	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.47
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.62	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.47
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:301:LEU:HD23	1:C:301:LEU:HA	1.62	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.47
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.47
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.47
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.47
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.47
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.47
1:C:573:GLN:O	1:C:573:GLN:NE2	2.36	0.47
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
2:Y:108:TYR:OH	3:Z:124:GLU:CA	2.55	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
2:Y:129:PHE:CE1	2:Y:134:VAL:HG21	2.48	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.47
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.47
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.47
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.47
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.47
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
3:Z:40:LEU:HA	3:Z:40:LEU:HD23	1.62	0.47
1:C:160:TYR:OH	1:C:255:GLY:O	2.21	0.47
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.47
1:C:743:LEU:HA	1:C:743:LEU:HD23	1.63	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.47
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.47
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:148:ILE:O	1:C:148:ILE:HG12	2.13	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.47
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.64	0.47
1:C:500:TYR:CD2	1:C:707:PHE:CZ	3.02	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.62	0.47
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.47
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.47
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:256:LYS:C	3:Z:93:PHE:HD1	2.08	0.47
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.47
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
1:C:808:LEU:HD23	1:C:808:LEU:HA	1.61	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:148:ILE:O	1:C:148:ILE:HG12	2.13	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.47
1:C:495:LEU:CA	1:C:754:ARG:HE	2.26	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.62	0.47
1:C:800:LYS:CG	1:C:804:GLN:HB2	2.27	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.47
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:148:ILE:O	1:C:148:ILE:HG12	2.13	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.47
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.64	0.47
1:C:509:PHE:HD1	1:C:754:ARG:CD	2.28	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.62	0.47
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.47
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.47
1:C:726:ASN:N	1:C:726:ASN:ND2	2.62	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.47
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.47
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.62	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.47
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.47
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.47
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.47
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.47
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.47
3:Z:9:ASP:O	3:Z:12:LYS:HB3	2.13	0.47
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.63	0.47
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:148:ILE:O	1:C:148:ILE:HG12	2.13	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.47
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.64	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.62	0.47
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
1:C:56:ILE:CD1	1:C:69:VAL:HG22	2.44	0.47
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.47
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.47
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.47
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.47
1:C:402:LYS:HA	1:C:411:THR:HA	1.95	0.47
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.47
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.47
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.47
1:C:801:LEU:CD1	3:Z:21:TRP:CE3	2.98	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.13	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:148:ILE:O	1:C:148:ILE:HG12	2.13	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.47
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.64	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.62	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.15	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.47
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.47
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.47
1:C:818:TRP:HZ2	1:C:822:ARG:HH21	1.61	0.47
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.47
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.47
1:C:502:LYS:HB3	1:C:760:VAL:HG22	1.78	0.47
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:148:ILE:O	1:C:148:ILE:HG12	2.13	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.47
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.64	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.62	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.71	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.47
2:Y:16:GLN:HG2	2:Y:17:ILE:N	2.28	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.47
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.62	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.47
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.47
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.47
1:C:808:LEU:HD23	1:C:808:LEU:HA	1.61	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.47
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.47
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.62	0.47
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.47
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.47
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.47
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.47
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.73	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:615:GLU:CD	1:C:617:LEU:H	2.16	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.47
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:494:ILE:O	1:C:754:ARG:NH2	2.46	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.47
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.47
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.47
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.71	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.47
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.47
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.47
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.47
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.70	0.47
1:C:499:GLU:CB	1:C:710:ARG:HH12	2.28	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.47
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.47
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.47
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.47
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.14	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
1:C:257:ILE:O	1:C:257:ILE:CG1	2.50	0.47
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.47
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.47
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.70	0.47
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.62	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.71	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.47
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.47
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.47
3:Z:122:VAL:C	3:Z:125:ILE:HD13	2.37	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:267:LEU:HD11	1:C:435:PHE:CD2	2.49	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.65	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.14	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.47
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.47
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:530:LEU:HD22	1:C:646:SER:OG	2.13	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.47
1:C:267:LEU:HD11	1:C:435:PHE:CD2	2.49	0.47
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.47
1:C:746:LEU:HD23	1:C:746:LEU:HA	1.64	0.47
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.74	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.47
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.47
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.43	0.47
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.47
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.47
1:C:143:LYS:HA	1:C:775:ASP:N	2.28	0.47
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.47
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.47
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.47
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.71	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.47
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.62	0.47
2:Y:101:THR:O	3:Z:126:ILE:HG13	2.14	0.47
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.47
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.47
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.47
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.47
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.47
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.45	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.40	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.47
1:C:832:LYS:CE	2:Y:48:GLY:N	2.77	0.47
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.47
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.47
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.47
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.47
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.47
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.13	0.47
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.15	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.47
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.47
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.47
1:C:709:SER:CB	1:C:710:ARG:N	2.76	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.40	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.15	0.47
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.47
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.47
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.47
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.47
1:C:506:ALA:HA	1:C:753:TYR:HB2	1.92	0.47
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.47
1:C:218:GLN:OE1	1:C:218:GLN:N	2.41	0.47
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.28	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.47
1:C:446:LEU:HD23	1:C:446:LEU:HA	1.70	0.47
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.47
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.47
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.47
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.47
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.47
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.47
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.41	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.47
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.47
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.62	0.47
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.47
1:C:712:ILE:CD1	1:C:715:GLU:CB	2.81	0.47
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.47
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.48	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.47
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.47
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.78	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.47
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.47
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.47
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.47
1:C:218:GLN:OE1	1:C:218:GLN:N	2.41	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:446:LEU:HD23	1:C:446:LEU:HA	1.70	0.47
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.47
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.47
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.47
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.47
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:753:TYR:CD1	1:C:753:TYR:C	2.93	0.47
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.62	0.47
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.47
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.47
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.47
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.47
1:C:218:GLN:OE1	1:C:218:GLN:N	2.41	0.47
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.47
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.47
1:C:446:LEU:HD23	1:C:446:LEU:HA	1.70	0.47
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.47
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.47
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.47
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
3:Z:74:GLY:C	3:Z:76:MET:H	2.21	0.47
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.61	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.47
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.47
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.47
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.47
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.47
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.47
3:Z:131:LEU:HD23	3:Z:131:LEU:HA	1.61	0.47
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.47
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.47
1:C:505:ILE:HB	1:C:762:PHE:CD1	2.20	0.47
1:C:726:ASN:N	1:C:726:ASN:ND2	2.62	0.47
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.47
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.47
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.47
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.79	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.47
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.47
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.47
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.47
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.47
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.47
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.47
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:753:TYR:CD1	1:C:753:TYR:C	2.93	0.47
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:112:LEU:HD23	2:Y:112:LEU:HA	1.63	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.62	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:106:LEU:HD23	3:Z:106:LEU:HA	1.61	0.47
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.47
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:523:ILE:HD12	1:C:529:ILE:CG1	2.25	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.47
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.47
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.47
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.48	0.47
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.79	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.47
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.47
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.47
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.47
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.47
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.47
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.47
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:417:ASN:HD22	1:C:418:GLN:N	2.07	0.47
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.25	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.47
1:C:800:LYS:O	1:C:804:GLN:CB	2.60	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.47
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.47
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.47
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.47
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.76	0.47
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.47
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.47
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.47
1:C:704:ARG:C	1:C:764:ALA:HB2	1.96	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.47
1:C:832:LYS:CE	2:Y:48:GLY:N	2.78	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.47
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.47
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.47
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.47
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.47
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.47
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.47
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.47
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:453:ASN:ND2	3:Z:95:ARG:HD2	2.29	0.47
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.47
1:C:500:TYR:N	1:C:761:PHE:CE2	2.82	0.47
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.47
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.47
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.47
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.47
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.47
2:Y:113:LEU:HD23	2:Y:113:LEU:HA	1.65	0.47
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.47
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.47
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.47
1:C:725:PRO:HD2	1:C:777:ARG:NH2	2.30	0.47
1:C:743:LEU:HA	1:C:743:LEU:HD23	1.62	0.47
1:C:753:TYR:CD1	1:C:753:TYR:C	2.93	0.47
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.47
1:C:800:LYS:CG	1:C:804:GLN:HB2	2.38	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.47
1:C:503:GLU:O	1:C:713:TYR:CE1	2.64	0.47
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.47
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.47
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
1:C:832:LYS:CE	2:Y:48:GLY:N	2.78	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.47
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.66	0.47
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:85:SER:HG	2:Y:88:THR:H	1.56	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.47
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.47
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.47
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.47
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:313:ASN:ND2	1:C:313:ASN:N	2.62	0.47
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.44	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.47
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.47
1:C:746:LEU:HD23	1:C:746:LEU:HA	1.64	0.47
1:C:792:TYR:CZ	3:Z:125:ILE:HG22	2.49	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:113:LEU:HD23	2:Y:113:LEU:HA	1.64	0.47
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.47
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.66	0.47
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.47
3:Z:131:LEU:HD23	3:Z:131:LEU:HA	1.61	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:71:LYS:O	1:C:74:ILE:HG23	2.13	0.47
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.47
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.47
1:C:358:MET:CE	1:C:426:LEU:HB3	2.34	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.47
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.47
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.77	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.47
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.47
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.46	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.05	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.47
1:C:505:ILE:CG2	1:C:754:ARG:H	2.27	0.47
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.47
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.47
1:C:805:ARG:N	3:Z:21:TRP:HH2	2.10	0.47
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.47
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.47
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.47
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.47
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.60	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.47
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.47
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.47
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.46	0.47
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.47
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.47
1:C:297:ASN:ND2	1:C:297:ASN:N	2.61	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:402:LYS:HA	1:C:411:THR:HA	1.96	0.47
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.49	0.47
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.47
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:131:LEU:HD23	3:Z:131:LEU:HA	1.61	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.47
1:C:146:THR:CB	1:C:768:GLY:CA	2.89	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.47
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.47
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:415:ASN:H	1:C:415:ASN:HD22	1.61	0.47
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.47
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
1:C:808:LEU:HD23	1:C:808:LEU:HA	1.61	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.47
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:507:TRP:CZ3	1:C:707:PHE:CE1	3.03	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.47
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.47
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.47
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.47
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:415:ASN:H	1:C:415:ASN:HD22	1.61	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.14	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.47
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47
1:C:345:LYS:HG2	1:C:349:PHE:CE2	2.49	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:364:LYS:CG	1:C:365:GLN:N	2.77	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:713:TYR:CD2	1:C:736:LYS:HA	2.49	0.47
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.78	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.47
2:Y:100:GLU:O	3:Z:129:THR:CA	2.22	0.47
2:Y:100:GLU:O	3:Z:129:THR:H	1.37	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.47
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.47
1:C:504:GLY:C	1:C:767:LEU:CG	2.88	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:507:TRP:CB	1:C:753:TYR:N	2.69	0.47
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.47
1:C:583:TYR:HE1	1:C:584:ALA:HB2	1.69	0.47
1:C:722:ILE:CB	1:C:777:ARG:HD2	2.44	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.47
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.47
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.47
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.47
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.47
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.47
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.47
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.96	0.47
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.47
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:176:GLY:C	1:C:670:CYS:SG	2.98	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.47
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.47
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.47
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.47
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:79:GLU:N	3:Z:79:GLU:CD	2.73	0.47
1:C:226:LEU:HD23	1:C:226:LEU:HA	1.63	0.47
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.47
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.47
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.47
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.47
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.62	0.47
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.47
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:796:LYS:NZ	3:Z:128:LEU:CD2	2.67	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.47
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.63	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
2:Y:123:ASP:O	2:Y:127:MET:CG	2.55	0.47
1:C:226:LEU:HD23	1:C:226:LEU:HA	1.63	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.47
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.47
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.47
1:C:656:LEU:HD23	1:C:656:LEU:HA	1.62	0.47
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.47
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.47
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.47
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.47
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.29	0.47
3:Z:69:LEU:HD23	3:Z:69:LEU:HA	1.66	0.47
1:C:226:LEU:HD23	1:C:226:LEU:HA	1.63	0.47
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.47
1:C:656:LEU:HD23	1:C:656:LEU:HA	1.62	0.47
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
3:Z:79:GLU:N	3:Z:79:GLU:CD	2.73	0.47
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.47
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.47
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.62	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.47
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.61	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.47
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.47
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.62	0.47
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.47
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.47
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.47
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.47
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.47
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.47
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.47
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.47
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.47
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.47
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:800:LYS:CA	1:C:803:ASP:OD1	2.63	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.47
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.59	0.47
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.79	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:217:ASP:O	1:C:221:GLN:CG	2.61	0.47
1:C:267:LEU:HD11	1:C:435:PHE:CD2	2.49	0.47
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.47
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.47
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.47
2:Y:93:PHE:HZ	2:Y:104:LEU:HB2	1.78	0.47
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.59	0.47
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.47
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.03	0.47
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.47
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.47
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.47
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.15	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:533:LEU:HA	1:C:533:LEU:HD23	1.63	0.47
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.47
1:C:713:TYR:HD2	1:C:739:SER:HG	1.62	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:417:ASN:HD22	1:C:418:GLN:N	2.08	0.47
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.47
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.47
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.46	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.47
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.47
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.47
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.47
1:C:504:GLY:C	1:C:760:VAL:CG1	2.84	0.47
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.47
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.47
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.47
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.47
2:Y:99:GLN:HA	3:Z:128:LEU:HB2	0.47	0.47
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.47
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.47
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.47
1:C:144:ARG:HG3	1:C:770:LEU:C	2.26	0.47
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.47
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.47
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.47
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.47
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.47
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.62	0.47
1:C:755:LEU:HB3	1:C:756:GLY:H	1.47	0.47
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.47
1:C:335:PHE:CD1	1:C:340:PHE:CD2	3.02	0.47
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.47
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.73	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.47
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.67	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.47
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.47
1:C:503:GLU:HG2	1:C:761:PHE:CZ	2.46	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.47
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.47
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.47
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.47
3:Z:69:LEU:HD23	3:Z:69:LEU:HA	1.66	0.47
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.47
1:C:121:ILE:CB	1:C:669:ARG:NH2	2.74	0.47
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.47
1:C:499:GLU:CB	1:C:710:ARG:NH1	2.77	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.47
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.47
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.47
2:Y:104:LEU:HD23	2:Y:104:LEU:HA	1.60	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.47
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.59	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.47
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.47
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.47
1:C:505:ILE:HA	1:C:755:LEU:H	1.79	0.47
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.47
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.47
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.47
1:C:595:LEU:HD21	1:C:596:GLU:CD	2.39	0.47
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.47
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.47
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.61	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:217:ASP:O	1:C:221:GLN:CG	2.60	0.47
1:C:293:ILE:O	1:C:293:ILE:CG1	2.27	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.47
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.47
2:Y:138:LYS:HZ1	3:Z:122:VAL:CG2	2.07	0.47
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.47
1:C:498:GLU:O	1:C:759:LYS:C	2.57	0.47
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.47
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.47
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.46	0.47
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.47
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.47
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.47
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.47
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
1:C:231:ASN:C	1:C:283:HIS:CD2	2.92	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.47
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.47
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.47
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.47
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.47
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.47
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.47
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.47
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.47
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.47
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.47
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.47
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.47
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.47
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.63	0.47
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.47
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47
1:C:656:LEU:HD23	1:C:656:LEU:HA	1.62	0.47
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.47
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.47
1:C:505:ILE:CG2	1:C:754:ARG:HB3	2.45	0.47
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.47
1:C:832:LYS:CE	2:Y:48:GLY:N	2.77	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.47
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.47
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.47
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.47
1:C:510:ILE:CG2	1:C:763:LYS:HZ3	2.26	0.47
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.47
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.47
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.47
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.47
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.47
1:C:503:GLU:HB3	1:C:710:ARG:CB	2.39	0.47
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.47
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.47
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.62	0.47
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.47
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.63	0.47
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.47
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.47
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.47
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.47
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.47
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.47
1:C:800:LYS:CA	1:C:803:ASP:OD1	2.63	0.47
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.47
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.47
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.47
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.47
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.47
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.63	0.47
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.47
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.47
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.47
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.47
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.47
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.47
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.47
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.47
1:C:505:ILE:HG13	1:C:506:ALA:H	1.00	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.47
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.47
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.47
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.47
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.47
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.47
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.71	0.47
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.47
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.47
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:79:GLU:N	3:Z:79:GLU:CD	2.73	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.47
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.47
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.47
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.47
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.47
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.47
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.47
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.47
1:C:745:GLY:O	1:C:747:GLN:HG2	2.14	0.47
1:C:796:LYS:HZ1	3:Z:128:LEU:HD22	1.76	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.47
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.47
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.47
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.47
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.47
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.47
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.47
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.47
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.47
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.47
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.47
1:C:743:LEU:HA	1:C:743:LEU:HD23	1.63	0.47
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.47
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.47
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.47
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.47
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.47
1:C:231:ASN:HD22	1:C:241:SER:CA	2.09	0.47
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.47
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.47
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.47
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47
1:C:703:CYS:HB2	1:C:708:PRO:CB	2.45	0.47
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.47
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:79:GLU:O	3:Z:79:GLU:HG2	2.13	0.47
1:C:94:LEU:HA	1:C:94:LEU:HD23	1.62	0.47
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.47
1:C:231:ASN:HD22	1:C:241:SER:CA	2.09	0.47
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.47
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.47
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.47
1:C:231:ASN:HD22	1:C:241:SER:CA	2.10	0.47
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.79	0.47
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.47
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.47
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.47
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.47
2:Y:97:ASP:OD2	3:Z:123:ASP:OD2	2.32	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.47
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.47
2:Y:97:ASP:OD1	3:Z:127:LYS:HB3	2.15	0.47
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.47
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.47
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.47
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.47
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.47
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.47
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.47
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.77	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.47
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.47
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.47
1:C:267:LEU:HD11	1:C:435:PHE:CD2	2.49	0.47
1:C:317:LEU:HA	1:C:317:LEU:HD23	1.62	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.47
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.47
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.47
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.47
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.47
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.47
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.47
1:C:819:LEU:HD23	1:C:819:LEU:HA	1.62	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:106:LEU:HD23	3:Z:106:LEU:HA	1.60	0.47
1:C:103:LEU:HD23	1:C:103:LEU:HA	1.60	0.47
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.47
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.47
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47
1:C:676:LEU:HD23	1:C:676:LEU:HA	1.68	0.47
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.47
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.47
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.47
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.47
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:352:THR:HG21	1:C:434:MET:HE1	1.91	0.47
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.47
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.47
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.47
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.47
1:C:504:GLY:O	1:C:755:LEU:HB2	2.15	0.47
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.77	0.47
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.47
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.47
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.47
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
3:Z:17:LEU:O	3:Z:17:LEU:CD2	2.25	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:525:LYS:CE	1:C:526:PRO:HG2	2.39	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.47
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.03	0.47
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.47
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.47
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.47
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.47
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.47
1:C:533:LEU:HD23	1:C:533:LEU:HA	1.63	0.47
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.47
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.47
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.47
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.47
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.47
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.47
1:C:467:PHE:CE2	1:C:468:ASP:CB	2.79	0.47
1:C:792:TYR:HE2	2:Y:100:GLU:HB3	1.79	0.47
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.47
1:C:800:LYS:NZ	1:C:804:GLN:O	2.48	0.47
2:Y:113:LEU:HD23	2:Y:113:LEU:HA	1.65	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.47
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.47
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.47
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.10	0.47
1:C:832:LYS:HZ3	2:Y:48:GLY:N	2.12	0.47
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.47
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.47
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.66	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.47
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.47
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.47
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.47
1:C:152:LEU:HA	1:C:152:LEU:HD23	1.61	0.47
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.47
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.47
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.47
1:C:535:GLU:O	1:C:539:PHE:CD1	2.67	0.47
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.47
1:C:701:ARG:HG3	1:C:705:LYS:HZ2	1.79	0.47
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.47
2:Y:68:ASN:C	2:Y:70:THR:H	2.21	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.47
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.47
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.63	0.47
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.47
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.47
1:C:111:LEU:HD23	1:C:111:LEU:HA	1.62	0.47
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.47
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.47
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.47
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.47
1:C:161:GLN:O	1:C:774:ARG:CG	2.63	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:254:THR:O	1:C:782:ILE:CG1	2.49	0.47
1:C:256:LYS:HB2	3:Z:109:VAL:HA	1.96	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.47
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.47
2:Y:99:GLN:HG3	3:Z:127:LYS:CE	2.44	0.47
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.47
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.47
1:C:709:SER:O	1:C:761:PHE:HA	2.03	0.47
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.47
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.47
1:C:111:LEU:HD23	1:C:111:LEU:HA	1.62	0.47
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.47
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.47
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.41	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
1:C:85:LEU:O	1:C:85:LEU:CD2	2.59	0.47
1:C:111:LEU:HD23	1:C:111:LEU:HA	1.62	0.47
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.47
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:371:GLN:C	1:C:371:GLN:OE1	2.57	0.47
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.21	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.47
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.47
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.47
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.47
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.47
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.47
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.47
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.47
1:C:738:VAL:O	1:C:741:LYS:HB2	2.15	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.47
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:503:GLU:OE1	1:C:759:LYS:CB	2.62	0.47
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.47
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.47
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.47
1:C:762:PHE:HB3	1:C:766:VAL:CG2	1.99	0.47
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.47
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:79:GLU:N	3:Z:79:GLU:CD	2.73	0.47
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.47
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.47
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.47
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
1:C:800:LYS:CA	1:C:803:ASP:OD1	2.63	0.47
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.47
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.47
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.47
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.47
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.47
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.47
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.47
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.47
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.47
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.47
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.47
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:495:LEU:O	1:C:761:PHE:CE2	2.66	0.47
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.47
1:C:713:TYR:HD2	1:C:739:SER:HG	1.58	0.47
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.49	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.47
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.47
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.49	0.47
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.47
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.47
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.47
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.47
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.47
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.47
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.47
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.47
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.47
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.79	0.47
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.47
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.47
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.47
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.47
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.47
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.47
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.47
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.47
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.47
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.47
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.47
1:C:88:MET:HE1	1:C:102:ASN:CB	2.44	0.47
1:C:172:CYS:SG	1:C:458:VAL:HA	2.55	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.47
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.47
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.47
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.47
1:C:473:GLU:CA	1:C:597:LYS:HZ3	2.22	0.47
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.47
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.47
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.47
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.63	0.47
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.47
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.47
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.47
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.47
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.47
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.15	0.47
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.79	0.47
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.47
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.47
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.47
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.47
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.47
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.47
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.79	0.47
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.47
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.47
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.47
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
3:Z:98:GLN:HE21	3:Z:140:LYS:NZ	2.12	0.47
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.47
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.47
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.47
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.47
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.47
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.47
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.47
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.47
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.47
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.47
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.47
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.47
1:C:832:LYS:CE	2:Y:48:GLY:N	2.78	0.47
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.47
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.47
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.47
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.47
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.47
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.47
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.47
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.47
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.47
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.47
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.47
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.47
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.47
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.47
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.47
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.47
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.64	0.47
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.47
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.79	0.47
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.47
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.47
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.47
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.47
2:Y:40:ILE:HD12	2:Y:41:LYS:N	2.28	0.47
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.47
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.47
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.47
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.47
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.47
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.47
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.47
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.47
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.47
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.47
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.47
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.47
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.47
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.47
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.47
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.47
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.47
1:C:266:LEU:HG	1:C:649:HIS:CD2	2.49	0.47
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.47
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.26	0.47
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.47
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.47
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.47
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.47
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.47
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.47
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.47
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.47
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.47
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.47
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.47
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.47
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.47
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.47
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.47

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.47
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.15	0.47
1:C:753:TYR:C	1:C:754:ARG:HG2	2.40	0.47
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.47
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.47
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.47
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.47
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.47
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.47
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.47
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.47
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.47
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.47
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.47
2:Y:101:THR:CG2	3:Z:126:ILE:CG2	2.91	0.47
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.47
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.47
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.47
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.79	0.47
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.47
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.47
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.47
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.47
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.47
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.46
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.46
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.46
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.46
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.46
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.46
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.46
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:683:ASP:O	1:C:687:VAL:HG13	2.14	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.46
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.46
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
1:C:800:LYS:CA	1:C:803:ASP:OD1	2.63	0.46
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.65	0.46
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.61	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.80	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:217:ASP:N	1:C:217:ASP:OD1	2.48	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.46
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.46
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.61	0.46
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.15	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.46
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.46
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.46
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.46
1:C:217:ASP:N	1:C:217:ASP:OD1	2.48	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.46
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.46
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.46
2:Y:112:LEU:HD23	2:Y:112:LEU:HA	1.63	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.46
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.46
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.46
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.46
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.61	0.46
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.46
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.48	0.46
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.46
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.61	0.46
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.46
1:C:800:LYS:CA	1:C:804:GLN:H	2.28	0.46
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.46
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.65	0.46
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.46
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.46
1:C:217:ASP:N	1:C:217:ASP:OD1	2.48	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.46
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.46
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.46	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.46
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.46
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.46
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.46
1:C:832:LYS:CE	2:Y:48:GLY:N	2.77	0.46
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.29	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.46
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.46
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.46
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.46
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.46
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.46
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.46
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.46
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.46
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.46
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.46
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.61	0.46
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.46
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.46	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.46
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.46
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.46
1:C:711:LEU:HA	1:C:711:LEU:HD23	1.68	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:773:MET:O	1:C:776:GLU:HB2	2.15	0.46
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.62	0.46
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.46
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.46
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.46
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.46
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.46
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.46
3:Z:110:LEU:C	3:Z:117:LEU:HD11	2.34	0.46
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.61	0.46
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.46
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.46
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.46
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.46
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.46
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
2:Y:113:LEU:HD23	2:Y:113:LEU:HA	1.64	0.46
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.46
1:C:274:TYR:O	1:C:275:GLN:HG2	2.15	0.46
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.46
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.46
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.46
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.46
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.61	0.46
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.46
1:C:789:ILE:C	1:C:789:ILE:HD12	2.39	0.46
1:C:832:LYS:CE	2:Y:48:GLY:N	2.77	0.46
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.46
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.64	0.46
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.46
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.46
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.46
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.70	0.46
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.62	0.46
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.46
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:257:ILE:O	1:C:257:ILE:CG1	2.50	0.46
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.46
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:723:LEU:HD23	1:C:777:ARG:CD	2.43	0.46
1:C:723:LEU:O	1:C:777:ARG:NH2	2.46	0.46
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.46
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.46
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.46
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:500:TYR:CA	1:C:761:PHE:CE2	2.96	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.46
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.46
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.29	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:507:TRP:C	1:C:751:ALA:O	2.34	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.46
2:Y:38:GLU:O	2:Y:42:ALA:HB2	2.14	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.46
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.64	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.46
1:C:800:LYS:CA	1:C:803:ASP:OD1	2.63	0.46
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.80	0.46
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.46
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.46
1:C:9:ASP:OD1	3:Z:114:GLY:C	2.58	0.46
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.46
1:C:800:LYS:CA	1:C:803:ASP:OD1	2.63	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.62	0.46
1:C:94:LEU:HA	1:C:94:LEU:HD23	1.62	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.77	0.46
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.46
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.46
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.46
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.78	0.46
1:C:618:VAL:HG23	1:C:619:ALA:N	2.28	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.46
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.46
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.64	0.46
1:C:800:LYS:CA	1:C:803:ASP:OD1	2.63	0.46
2:Y:104:LEU:HB3	2:Y:109:ILE:HG22	1.94	0.46
2:Y:112:LEU:HD23	2:Y:112:LEU:HA	1.63	0.46
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.46
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.46
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:446:LEU:HA	1:C:446:LEU:HD23	1.71	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:580:LEU:HA	1:C:580:LEU:HD23	1.59	0.46
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.46
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.46
1:C:371:GLN:NE2	1:C:373:GLU:OE1	2.47	0.46
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.46
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.46
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.65	0.46
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.46
2:Y:27:ILE:C	2:Y:27:ILE:HD12	2.39	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.15	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:800:LYS:HZ1	1:C:804:GLN:HG3	1.80	0.46
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.46
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:281:ASN:ND2	1:C:281:ASN:N	2.62	0.46
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.77	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.46
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.46
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.46
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.46
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.46
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.46
1:C:275:GLN:OE1	1:C:279:GLU:CG	2.62	0.46
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.65	0.46
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.15	0.46
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.46
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.46
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.64	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.46
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.46
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
2:Y:93:PHE:HE2	3:Z:127:LYS:HE3	1.26	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.46
2:Y:138:LYS:CE	3:Z:123:ASP:N	2.70	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:499:GLU:CB	1:C:710:ARG:HG2	2.45	0.46
1:C:506:ALA:CB	1:C:766:VAL:HG11	0.61	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.46
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.46
1:C:129:LEU:CD1	1:C:129:LEU:C	2.76	0.46
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.46
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.46
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.46
1:C:472:PHE:CB	1:C:594:TRP:CE3	2.92	0.46
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.46
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:800:LYS:C	1:C:804:GLN:H	2.23	0.46
1:C:825:GLN:CD	2:Y:59:MET:SD	2.97	0.46
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.46
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.46
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.46
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.46
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
3:Z:33:LEU:HD23	3:Z:33:LEU:HA	1.63	0.46
3:Z:96:GLU:CD	3:Z:100:PHE:CD1	2.91	0.46
3:Z:106:LEU:HD23	3:Z:106:LEU:HA	1.60	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.46
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.46
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.46
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.46
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:826:TRP:CZ2	2:Y:75:ILE:HD11	2.49	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.46
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.46
1:C:129:LEU:CD1	1:C:129:LEU:C	2.76	0.46
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.46
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.46
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.46
1:C:510:ILE:N	1:C:751:ALA:C	2.71	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.46
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.46
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.46
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.46
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.46
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.46
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.46
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.63	0.46
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.46
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.46
1:C:129:LEU:CD1	1:C:129:LEU:C	2.76	0.46
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.46
1:C:811:ILE:O	1:C:815:ILE:CG2	2.59	0.46
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.15	0.46
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:193:LEU:HD12	1:C:456:ILE:HG21	1.95	0.46
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.63	0.46
1:C:772:GLU:C	1:C:776:GLU:HG3	2.40	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.46
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.46
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.46
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.46
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.46
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:129:LEU:CD1	1:C:129:LEU:C	2.76	0.46
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.46
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.46
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.46
1:C:498:GLU:C	1:C:756:GLY:CA	2.87	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.46
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.46
1:C:129:LEU:CD1	1:C:129:LEU:C	2.76	0.46
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:702:ILE:O	1:C:706:GLY:N	2.48	0.46
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.46
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.46
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.46
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.46
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
1:C:129:LEU:CD1	1:C:129:LEU:C	2.76	0.46
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.46
1:C:129:LEU:CD1	1:C:129:LEU:C	2.76	0.46
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.46
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.46
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.46
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.46
1:C:133:THR:C	1:C:136:VAL:HG22	2.39	0.46
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.46
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.46
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.46
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.46
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.46
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.46
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:267:LEU:HD11	1:C:435:PHE:CD2	2.49	0.46
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.46
2:Y:115:ASN:HD22	2:Y:115:ASN:N	1.96	0.46
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.46
1:C:143:LYS:CG	3:Z:95:ARG:HD2	2.41	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.46
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.46
1:C:231:ASN:HD22	1:C:241:SER:CA	2.09	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.46
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.46
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.46
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.46
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.46
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.46
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.46
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.46
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46
1:C:808:LEU:HD23	1:C:808:LEU:HA	1.61	0.46
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.46
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.46
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.46
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.46
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.46
1:C:498:GLU:CA	1:C:755:LEU:CB	2.91	0.46
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.48	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.46
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.46
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.46
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.46
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.46
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.46
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.46
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.46
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.46
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.46
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.46
1:C:231:ASN:HD22	1:C:241:SER:CA	2.10	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:711:LEU:HA	1:C:711:LEU:HD23	1.68	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.46
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.46
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.46
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.46
1:C:505:ILE:HD13	1:C:755:LEU:N	2.30	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.46
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.46
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.46
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.46
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.46
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.46
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.46
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.46
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.46
1:C:505:ILE:N	1:C:760:VAL:HB	2.27	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.46
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.46
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.40	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.46
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.46
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.46
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.46
2:Y:60:LEU:HD23	2:Y:60:LEU:HA	1.61	0.46
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.46
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.46
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.46
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.61	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:231:ASN:HD22	1:C:241:SER:CA	2.10	0.46
1:C:267:LEU:HD11	1:C:435:PHE:CD2	2.49	0.46
1:C:311:PHE:CD1	1:C:311:PHE:O	2.61	0.46
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.62	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.46	0.46
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.13	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.46
3:Z:106:LEU:HD23	3:Z:106:LEU:HA	1.60	0.46
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:226:LEU:HD23	1:C:226:LEU:HA	1.63	0.46
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.46
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.46
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.46
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.46
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.46
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.46
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.46
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.46
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.46
1:C:805:ARG:HD3	3:Z:21:TRP:CZ3	2.50	0.46
2:Y:93:PHE:HB2	2:Y:141:TYR:CZ	2.49	0.46
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.61	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.46
1:C:676:LEU:HD23	1:C:676:LEU:HA	1.68	0.46
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.46
1:C:800:LYS:O	1:C:804:GLN:HB2	2.15	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.46
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:311:PHE:HD1	1:C:312:ILE:HG22	1.78	0.46
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.62	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
1:C:645:ILE:C	1:C:645:ILE:HD12	2.39	0.46
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.46
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.46
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.78	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
2:Y:24:PHE:CZ	2:Y:28:ASP:CG	2.92	0.46
2:Y:47:LEU:HA	2:Y:47:LEU:HD23	1.65	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.46
1:C:510:ILE:HG22	1:C:763:LYS:HE2	1.94	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.46
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.46
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.46
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.46
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.46
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:317:LEU:HA	1:C:317:LEU:HD23	1.62	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.46	0.46
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.46
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.46
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:164:VAL:O	1:C:722:ILE:HD12	2.09	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.61	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.46
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.46
1:C:676:LEU:HD23	1:C:676:LEU:HA	1.68	0.46
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.46
3:Z:81:GLY:C	3:Z:86:TYR:CE1	2.87	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.15	0.46
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.46
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.46
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.46
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.46
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.61	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.46
1:C:676:LEU:HD23	1:C:676:LEU:HA	1.68	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.46
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.46
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.46
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.46
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:683:ASP:O	1:C:687:VAL:HG13	2.14	0.46
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.61	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.46
1:C:676:LEU:HD23	1:C:676:LEU:HA	1.68	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.46
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.46
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.46
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.46
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.46
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.46
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.46
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.61	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.46
1:C:676:LEU:HD23	1:C:676:LEU:HA	1.68	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.46	0.46
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.46
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.46
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.46
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.46
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.61	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.46
1:C:676:LEU:HD23	1:C:676:LEU:HA	1.68	0.46
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.46
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.46
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.61	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.46
1:C:676:LEU:HD23	1:C:676:LEU:HA	1.68	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.46
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.46
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.46
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.46
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:778:LEU:HA	1:C:778:LEU:HD23	1.63	0.46
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.46
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.46
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.46
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.46
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.46
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.58	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.64	0.46
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.46
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.46
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.74	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:297:ASN:ND2	1:C:297:ASN:N	2.61	0.46
1:C:350:LYS:HZ1	1:C:386:LEU:CD1	2.28	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.46
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.46
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
1:C:533:LEU:HA	1:C:533:LEU:HD23	1.63	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
1:C:800:LYS:CA	1:C:803:ASP:OD1	2.63	0.46
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.46
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.46
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.46
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.46
1:C:825:GLN:CD	2:Y:59:MET:SD	2.98	0.46
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.46
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.46
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
2:Y:108:TYR:CE1	3:Z:120:GLU:HB2	2.48	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.67	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.46
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.46
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
1:C:350:LYS:HZ1	1:C:386:LEU:CD1	2.28	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:694:ASN:N	1:C:694:ASN:ND2	2.62	0.46
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.46
1:C:799:LYS:HE3	1:C:806:ILE:CG1	2.45	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:163:MET:SD	1:C:170:GLN:HG2	2.49	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:231:ASN:HD22	1:C:241:SER:CA	2.10	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.46
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.46
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.46
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.46
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.46
1:C:505:ILE:HA	1:C:762:PHE:CD1	2.50	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.46
1:C:152:LEU:HA	1:C:152:LEU:HD23	1.61	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:297:ASN:ND2	1:C:297:ASN:N	2.61	0.46
1:C:301:LEU:HD23	1:C:301:LEU:HA	1.62	0.46
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.46
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.46
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.46
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.46
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.46
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.46
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.46
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.46
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.46
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.46
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.46
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.46
1:C:832:LYS:HE3	2:Y:47:LEU:HD13	1.91	0.46
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.46
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.67	0.46
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.46
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.46
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:398:LEU:HA	1:C:398:LEU:HD23	1.64	0.46
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.46
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.46
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.46
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.46
1:C:499:GLU:CD	1:C:759:LYS:CD	2.63	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.46
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.81	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.28	0.46
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.46
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.46	0.46
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.46
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.46
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.46
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.46
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.46
1:C:610:LEU:HA	1:C:610:LEU:HD23	1.62	0.46
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.46
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.46
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.46
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.46
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.46
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.13	0.46
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.46
1:C:800:LYS:O	1:C:801:LEU:HA	2.15	0.46
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.46
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.46
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.46
1:C:800:LYS:C	1:C:803:ASP:OD1	2.58	0.46
1:C:808:LEU:HB3	3:Z:20:PHE:HZ	1.80	0.46
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.46
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.46
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.46
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.15	0.46
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.46
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.46
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.46
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.46
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.46
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.61	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:317:LEU:HA	1:C:317:LEU:HD23	1.63	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.46
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.46
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.46
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.46
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.46
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
1:C:808:LEU:HD23	1:C:808:LEU:HA	1.61	0.46
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.46
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.61	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.46
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.46
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.16	0.46
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.46
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.46
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.46
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.46
1:C:505:ILE:CA	1:C:755:LEU:H	2.11	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.46
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.46
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.46
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.46
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.46
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.46
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.46
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.46	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.46
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.46
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.46
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.46
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.46
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.46
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:506:ALA:CB	1:C:752:GLU:CB	2.40	0.46
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.46
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.46
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.46
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.62	0.46
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.46
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.15	0.46
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.46
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.46
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.46
3:Z:110:LEU:HD23	3:Z:110:LEU:HA	1.64	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.46
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.46
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.46
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.46
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.46
1:C:643:GLN:HE21	1:C:648:VAL:CB	2.26	0.46
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.46
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.46
1:C:694:ASN:N	1:C:694:ASN:ND2	2.62	0.46
1:C:712:ILE:CD1	1:C:715:GLU:CB	2.81	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.46
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.46
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.46
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.46
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.46
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.46
1:C:39:GLU:HG2	1:C:40:LYS:N	2.29	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.46
1:C:459:LEU:HA	1:C:459:LEU:HD23	1.63	0.46
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.46
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.46
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.46
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.46
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.55	0.46
1:C:217:ASP:O	1:C:220:ILE:HG13	2.15	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.46
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.46
2:Y:98:GLU:CG	2:Y:99:GLN:N	2.65	0.46
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.46
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.46
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.46
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.46
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.46
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.46
1:C:503:GLU:CB	1:C:710:ARG:HA	2.45	0.46
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.46
2:Y:109:ILE:CG1	2:Y:110:LYS:H	2.19	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.66	0.46
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.46
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:161:GLN:HG3	1:C:719:ARG:HG2	1.97	0.46
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.46
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.46
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.46
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.46
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.46
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.46
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.46
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.46
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.46
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.46
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.46
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.46
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.46
1:C:683:ASP:O	1:C:687:VAL:HG13	2.14	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.46
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.63	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:503:GLU:O	1:C:760:VAL:HA	2.15	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.46
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.46
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.46
1:C:800:LYS:C	1:C:801:LEU:C	2.83	0.46
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.63	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.80	0.46
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.46
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.23	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
3:Z:79:GLU:N	3:Z:79:GLU:CD	2.73	0.46
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.15	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
1:C:694:ASN:N	1:C:694:ASN:ND2	2.62	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:231:ASN:HD22	1:C:241:SER:CA	2.09	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:824:TRP:NE1	2:Y:79:LYS:HD3	2.21	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.61	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.15	0.46
1:C:142:GLY:O	1:C:774:ARG:CD	2.63	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.46	0.46
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.46
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:746:LEU:HD23	1:C:746:LEU:HA	1.64	0.46
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.46
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.46
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.48	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.46
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.46
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.46
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.46
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.46
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.46
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.46
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.46
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:767:LEU:HA	1:C:767:LEU:HD23	1.63	0.46
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.46
1:C:800:LYS:CB	1:C:803:ASP:OD2	2.50	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.46
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.46
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.46
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.46
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.46
2:Y:112:LEU:HD23	2:Y:112:LEU:HA	1.63	0.46
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.46
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.46
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.46
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.46
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.46
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.46
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.46
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.46
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.46
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.46
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.46
1:C:507:TRP:H	1:C:766:VAL:HG22	1.79	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.46
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.46
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.46
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.30	0.46
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.46
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
2:Y:106:ILE:CD1	2:Y:106:ILE:C	2.79	0.46
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.46
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.46
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.46
1:C:753:TYR:C	1:C:754:ARG:HG2	2.40	0.46
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.46
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.46
1:C:317:LEU:HA	1:C:317:LEU:HD23	1.63	0.46
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.46
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.46
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.46
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.46
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
1:C:800:LYS:O	1:C:804:GLN:CB	2.64	0.46
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.46
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.46
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.46
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.46
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.46
1:C:502:LYS:O	1:C:757:THR:HG23	2.16	0.46
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
1:C:832:LYS:CE	2:Y:48:GLY:N	2.77	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.46
1:C:506:ALA:HA	1:C:753:TYR:CD2	2.51	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.46
3:Z:31:PHE:CD2	3:Z:31:PHE:O	2.67	0.46
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:115:TYR:CE1	1:C:150:PRO:CB	2.95	0.46
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.46
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.46
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.46
1:C:365:GLN:CG	1:C:366:ARG:N	2.48	0.46
1:C:472:PHE:CD2	1:C:597:LYS:HE2	2.41	0.46
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.46
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.46
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.46
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.46
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.46
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.46
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.46
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.46
1:C:501:LYS:O	1:C:760:VAL:HA	2.15	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.46
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.46
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.64	0.46
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.46
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.46
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.46
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.46
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.46
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:94:LEU:HA	1:C:94:LEU:HD23	1.62	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.46
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.46
3:Z:79:GLU:N	3:Z:79:GLU:CD	2.73	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:231:ASN:HD22	1:C:241:SER:CA	2.10	0.46
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.46
1:C:398:LEU:HA	1:C:398:LEU:HD23	1.64	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:755:LEU:HB3	1:C:756:GLY:H	1.47	0.46
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.63	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.46
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.46
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.46
1:C:755:LEU:HB3	1:C:756:GLY:H	1.47	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.46
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.46
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.46
1:C:505:ILE:HG12	1:C:754:ARG:CB	2.33	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:350:LYS:HZ1	1:C:385:PHE:HD2	1.59	0.46
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.46
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.46
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.46
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.46
1:C:231:ASN:HD22	1:C:241:SER:CA	2.09	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.46
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.33	0.46
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.46
2:Y:69:PHE:O	2:Y:69:PHE:CG	2.67	0.46
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.46
2:Y:138:LYS:HG2	3:Z:120:GLU:HG2	1.98	0.46
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.46
1:C:231:ASN:HD22	1:C:241:SER:CA	2.09	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:504:GLY:C	1:C:760:VAL:HG12	2.40	0.46
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.46
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:94:LEU:HA	1:C:94:LEU:HD23	1.62	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.46
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.46
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.46
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.46
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.46
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.46
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.46
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.15	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.46
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.29	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.46
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.58	0.46
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.91	0.46
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.46
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.46
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.46
1:C:94:LEU:HA	1:C:94:LEU:HD23	1.62	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.46
1:C:231:ASN:HD22	1:C:241:SER:CA	2.09	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.46
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.15	0.46
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.46
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.46
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.46
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.46
1:C:808:LEU:HD23	1:C:808:LEU:HA	1.61	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.46
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.46
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.46
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.46
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.46
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.46
1:C:162:ASN:HB3	1:C:170:GLN:HE22	1.78	0.46
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.46
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:144:ARG:CD	1:C:774:ARG:N	2.78	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.34	0.46
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.46
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.46
2:Y:85:SER:HG	2:Y:88:THR:CG2	1.94	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
1:C:94:LEU:HA	1:C:94:LEU:HD23	1.62	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.46
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.46
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.46
1:C:231:ASN:HD22	1:C:241:SER:CA	2.09	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
1:C:800:LYS:C	1:C:804:GLN:H	2.18	0.46
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.46
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.46
2:Y:105:ASN:HB2	3:Z:127:LYS:HE2	1.97	0.46
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.46
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.46
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.46
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.46
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.15	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.46
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.46
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.46
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.46
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.81	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.46
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.46
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.46
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.46
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.46
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.46
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.46
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.46
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.46
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.46
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.46
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.64	0.46
1:C:800:LYS:HZ3	2:Y:95:MET:C	2.22	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.46
1:C:243:PHE:CD1	1:C:267:LEU:HD21	2.50	0.46
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.95	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.46
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.46
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.46
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.46
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.46
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.46
1:C:760:VAL:HG21	1:C:762:PHE:HE1	1.67	0.46
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.46
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.64	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.46
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.46
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.46
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.18	0.46
1:C:753:TYR:CD1	1:C:753:TYR:C	2.93	0.46
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.46
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.46
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.46
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.46
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.46
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.46
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.46
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.46
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.46
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.95	0.46
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.46
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.62	0.46
1:C:609:LEU:HA	1:C:609:LEU:HD23	1.61	0.46
1:C:832:LYS:CE	2:Y:48:GLY:N	2.78	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.48	0.46
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.46
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.46
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.46
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.46
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.46
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.46
3:Z:48:ASP:O	3:Z:51:ALA:HB3	2.14	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:713:TYR:HD2	1:C:739:SER:HG	1.62	0.46
1:C:749:ASP:OD1	1:C:751:ALA:N	2.41	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.46
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
2:Y:129:PHE:HE1	2:Y:134:VAL:HG11	1.79	0.46
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.46
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.46
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.46
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.46
1:C:167:ARG:CD	1:C:718:GLN:HE22	2.27	0.46
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.46
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.46
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.46
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.46
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:800:LYS:CA	1:C:803:ASP:OD1	2.63	0.46
1:C:832:LYS:CE	2:Y:48:GLY:N	2.77	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.74	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.46
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.46
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.46
1:C:231:ASN:HD22	1:C:241:SER:CA	2.10	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.46
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.46
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.46
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.46
1:C:799:LYS:CG	2:Y:95:MET:HG3	2.44	0.46
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.46
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.70	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.77	0.46
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.46
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.46
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.46
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.44	0.46
1:C:726:ASN:N	1:C:726:ASN:ND2	2.62	0.46
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.46
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
1:C:778:LEU:HA	1:C:778:LEU:HD23	1.63	0.46
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.46
1:C:15:VAL:HG23	1:C:15:VAL:O	2.14	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.46
1:C:272:VAL:CG2	1:C:273:THR:H	2.24	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.46
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.46
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.46
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
2:Y:103:LYS:O	3:Z:120:GLU:CD	2.39	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.46
1:C:501:LYS:CG	1:C:755:LEU:CG	2.47	0.46
1:C:503:GLU:OE1	1:C:757:THR:N	2.49	0.46
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.46
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.46
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.46
1:C:231:ASN:HD22	1:C:241:SER:CA	2.10	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.46
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.48	0.46
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.46
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.46
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.46
1:C:193:LEU:CD1	1:C:251:PHE:CZ	2.83	0.46
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.46
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.46
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.46
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.46
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
1:C:801:LEU:HD11	3:Z:21:TRP:CH2	2.22	0.46
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.46
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.46
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.46
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.46
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.46
1:C:231:ASN:HD22	1:C:241:SER:CA	2.10	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.46
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.46
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.46
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.48	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.46
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.46
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.46
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.46
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.62	0.46
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.46
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.46
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.46
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.46
1:C:126:TYR:CD1	1:C:677:LYS:O	2.65	0.46
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.46
1:C:743:LEU:HA	1:C:743:LEU:HD23	1.62	0.46
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.77	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.46
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.46
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.46
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.46
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.46
1:C:503:GLU:CA	1:C:757:THR:N	2.55	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.15	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
1:C:767:LEU:HA	1:C:767:LEU:HD23	1.64	0.46
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.46
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.71	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.46
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.46
1:C:231:ASN:HD22	1:C:241:SER:CA	2.10	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.46
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.46
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.46
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.46
1:C:522:LEU:HD21	1:C:559:ASN:CB	2.45	0.46
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.46
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.46
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.46
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.46
1:C:217:ASP:N	1:C:217:ASP:OD1	2.48	0.46
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.46	0.46
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.46
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.46
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.46
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.46
1:C:819:LEU:HD23	1:C:819:LEU:HA	1.62	0.46
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
2:Y:40:ILE:HD11	2:Y:56:LEU:HD23	1.88	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.48	0.46
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.46
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.46
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.46
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.44	0.46
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.46
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.46
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.46
1:C:446:LEU:HA	1:C:446:LEU:HD23	1.70	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.46
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.46
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.46
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.46
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.46
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.46
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.46
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.46
1:C:167:ARG:CB	1:C:722:ILE:HD13	2.39	0.46
1:C:217:ASP:N	1:C:217:ASP:OD1	2.48	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:448:THR:OG1	3:Z:102:SER:CB	2.50	0.46
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.46
1:C:502:LYS:HE2	1:C:758:THR:OG1	2.16	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
1:C:801:LEU:HD23	1:C:801:LEU:HA	1.66	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.46
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.46
1:C:446:LEU:HA	1:C:446:LEU:HD23	1.70	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.46
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.46
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.46
1:C:446:LEU:HA	1:C:446:LEU:HD23	1.70	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.46
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.46
3:Z:110:LEU:HD23	3:Z:110:LEU:HA	1.64	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.46
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
1:C:534:GLU:CD	1:C:644:THR:HG1	2.13	0.46
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.46
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.46
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.46
1:C:217:ASP:N	1:C:217:ASP:OD1	2.48	0.46
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.46
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.46
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
1:C:534:GLU:CD	1:C:644:THR:HG1	2.13	0.46
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.46
1:C:802:GLN:NE2	3:Z:17:LEU:CD1	2.73	0.46
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:144:ARG:CZ	1:C:774:ARG:HB3	2.40	0.46
1:C:246:PHE:HB2	1:C:459:LEU:CD2	2.45	0.46
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.46
1:C:753:TYR:CD1	1:C:753:TYR:C	2.93	0.46
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.46
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.62	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.46
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.46
1:C:217:ASP:N	1:C:217:ASP:OD1	2.48	0.46
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.46
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.46
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.46
1:C:446:LEU:HA	1:C:446:LEU:HD23	1.70	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.46	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.46
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.46
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.46
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.46
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.46
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.46
1:C:217:ASP:N	1:C:217:ASP:OD1	2.48	0.46
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.46
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.46
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.46
1:C:446:LEU:HA	1:C:446:LEU:HD23	1.70	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.46
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.46
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.46
1:C:217:ASP:N	1:C:217:ASP:OD1	2.48	0.46
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.46
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.75	0.46
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.46
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.46
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.46
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:119:PHE:HD2	1:C:667:PHE:HB3	1.50	0.46
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.46
1:C:217:ASP:N	1:C:217:ASP:OD1	2.48	0.46
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.46
1:C:495:LEU:O	1:C:761:PHE:CE1	2.56	0.46
1:C:499:GLU:CB	1:C:710:ARG:CB	2.94	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:536:GLU:CD	1:C:550:LYS:HD3	2.40	0.46
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
1:C:753:TYR:C	1:C:754:ARG:HG2	2.40	0.46
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.46
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.46
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.46
1:C:446:LEU:HA	1:C:446:LEU:HD23	1.70	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
1:C:711:LEU:HA	1:C:711:LEU:HD23	1.68	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.46
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.46
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.46
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.46
1:C:94:LEU:HA	1:C:94:LEU:HD23	1.62	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.46
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.46
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.46	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:379:GLU:HG2	1:C:380:ALA:N	2.29	0.46
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.46
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.46
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.46
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.46
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.46
3:Z:37:CYS:O	3:Z:42:ILE:CG1	2.59	0.46
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.46
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.46
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.46
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.46
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.75	0.46
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.46
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.46
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:676:LEU:HD23	1:C:676:LEU:HA	1.68	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.46
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:676:LEU:HD23	1:C:676:LEU:HA	1.68	0.46
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.46
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.46
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.46
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.46
1:C:419:VAL:CG2	1:C:420:VAL:N	2.63	0.46
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:524:GLU:OE1	1:C:524:GLU:C	2.55	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.46
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.46
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.46
1:C:600:ASP:OD1	1:C:601:PRO:N	2.48	0.46
1:C:800:LYS:C	1:C:804:GLN:CB	2.88	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
3:Z:69:LEU:HD23	3:Z:69:LEU:HA	1.66	0.46
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.75	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.46
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.46
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.46
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.46
2:Y:115:ASN:C	2:Y:116:MET:HG2	2.38	0.46
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.46
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:676:LEU:HD23	1:C:676:LEU:HA	1.68	0.46
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:274:TYR:O	1:C:275:GLN:HG2	2.14	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.46
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.46
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.46
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:132:TYR:CB	1:C:188:LYS:HE3	2.44	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:338:LEU:HB2	1:C:340:PHE:HE2	1.48	0.46
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
1:C:785:PHE:CE2	3:Z:144:PHE:HE2	2.32	0.46
1:C:832:LYS:CE	2:Y:48:GLY:N	2.78	0.46
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.46
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.46
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.46
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.46
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.14	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46
1:C:800:LYS:CA	1:C:804:GLN:H	2.28	0.46
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.46
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.46
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:56:ILE:HD13	1:C:58:VAL:CG1	2.38	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.46
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.62	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
1:C:134:ASP:HB2	1:C:195:LYS:HZ1	1.81	0.46
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.46
1:C:226:LEU:HD23	1:C:226:LEU:HA	1.63	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.58	0.46
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.46
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.46
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.46
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.75	0.46
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.95	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
1:C:666:HIS:N	1:C:666:HIS:HD2	2.09	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.48	0.46
2:Y:138:LYS:HG2	3:Z:123:ASP:CG	2.41	0.46
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.46
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.46
1:C:544:ASP:OD1	1:C:544:ASP:O	2.33	0.46
1:C:676:LEU:HD23	1:C:676:LEU:HA	1.68	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.46
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.46
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.46
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.46
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.95	0.46
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.46
1:C:704:ARG:CG	1:C:764:ALA:HB1	2.29	0.46
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.46
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.46
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.46
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.46
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.46
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.46
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.46
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.46
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:534:GLU:CD	1:C:644:THR:HG1	2.13	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:161:GLN:C	1:C:774:ARG:CZ	2.89	0.46
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.46
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.46
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.46
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.46
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.46
3:Z:79:GLU:N	3:Z:79:GLU:CD	2.73	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.49	0.46
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.46
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.46
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.46
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.46
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.46
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.46
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.46
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.46
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	2.31	0.46
3:Z:79:GLU:N	3:Z:79:GLU:CD	2.73	0.46
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.46
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.46
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.46
1:C:794:ILE:HD12	1:C:795:ARG:N	2.29	0.46
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.46
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:350:LYS:HE3	1:C:386:LEU:HG	1.81	0.46
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.46
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.46
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.46
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.46
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.46	0.46
2:Y:112:LEU:HD23	2:Y:112:LEU:HA	1.63	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.46
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.46
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.46
1:C:500:TYR:C	1:C:754:ARG:CB	2.63	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.46
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.46
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.46
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.46
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.71	0.46
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.46
1:C:723:LEU:O	1:C:777:ARG:NH1	2.36	0.46
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.64	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.46
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.46
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.46
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.46
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
1:C:753:TYR:C	1:C:754:ARG:HG2	2.40	0.46
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.46
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.46
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.46
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.46
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.46
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.46
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.46
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.46
1:C:527:MET:O	1:C:528:GLY:O	2.32	0.46
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.46
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.46
3:Z:106:LEU:HD23	3:Z:106:LEU:HA	1.61	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
1:C:753:TYR:C	1:C:754:ARG:HG2	2.40	0.46
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.48	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.96	0.46
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.46
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.46
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.48	0.46
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.46
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:254:THR:HB	3:Z:108:HIS:ND1	2.31	0.46
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.46
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.65	0.46
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.46
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.15	0.46
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.46
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.77	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.46
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.46
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.46
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.46
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.46
1:C:683:ASP:O	1:C:687:VAL:HG13	2.15	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:103:LEU:HD23	1:C:103:LEU:HA	1.60	0.46
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:415:ASN:H	1:C:415:ASN:HD22	1.62	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
2:Y:115:ASN:N	2:Y:115:ASN:ND2	2.62	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.46
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.46
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.46
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.46
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.46
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.46
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.46
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.46
1:C:503:GLU:HG2	1:C:761:PHE:CZ	2.46	0.46
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.46
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.46
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.46
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.77	0.46
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.46
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.46
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.46
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.77	0.46
1:C:505:ILE:HA	1:C:762:PHE:CD1	2.51	0.46
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
1:C:818:TRP:HZ2	1:C:822:ARG:HH21	1.62	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.46
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.46
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.65	0.46
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.46
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.46
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.46
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.64	0.46
1:C:796:LYS:NZ	3:Z:128:LEU:CD2	2.67	0.46
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.46
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.46
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.46
1:C:586:ASN:HD22	1:C:586:ASN:HA	1.62	0.46
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.46
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.46
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.46
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.46
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.95	0.46
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.46
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.46
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.65	0.46
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.46
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.46
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.80	0.46
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.46
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.46
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.46
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.46
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.77	0.46
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.46
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.97	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.46
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.46
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.46
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.46
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.46
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.46
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.46
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.46
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.46
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
1:C:800:LYS:CA	1:C:803:ASP:OD1	2.63	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:217:ASP:O	1:C:220:ILE:HG13	2.15	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.46
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.46
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.46
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.46
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.62	0.46
1:C:480:THR:O	1:C:483:ARG:HB3	2.15	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:832:LYS:CE	2:Y:48:GLY:N	2.78	0.46
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.46
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.46
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.46
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:694:ASN:N	1:C:694:ASN:ND2	2.62	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.46
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.46
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.65	0.46
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.46
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.46
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.46
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.46
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.46
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.46
1:C:350:LYS:NZ	1:C:386:LEU:CD1	2.77	0.46
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.46
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.46
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.46
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.46
1:C:218:GLN:OE1	1:C:218:GLN:N	2.40	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.46
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.46
1:C:802:GLN:HG2	3:Z:17:LEU:HD12	1.98	0.46
1:C:819:LEU:HD23	1:C:819:LEU:HA	1.62	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:119:PHE:HD2	1:C:667:PHE:CB	1.97	0.46
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.46
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.46
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.46
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.46
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.46
1:C:327:GLU:OE1	1:C:327:GLU:O	2.33	0.46
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.71	0.46
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.46
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.46
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.46
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.46
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.46
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.46
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.46
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.46
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.46
1:C:506:ALA:H	1:C:754:ARG:CG	2.22	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.62	0.46
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.46
1:C:85:LEU:N	1:C:85:LEU:HD12	2.31	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.46
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.46
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.46
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.46
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.46
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.46
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.46
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.46
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.46
1:C:218:GLN:OE1	1:C:218:GLN:N	2.40	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:451:LYS:O	3:Z:90:PHE:CZ	2.66	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.46
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
1:C:85:LEU:N	1:C:85:LEU:HD12	2.31	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.46
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.46
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.46
1:C:500:TYR:HD2	1:C:761:PHE:CB	2.09	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.46
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.46
1:C:85:LEU:N	1:C:85:LEU:HD12	2.31	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.46
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.46
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.46
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.46
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.46
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.46
1:C:148:ILE:O	1:C:148:ILE:HG12	2.13	0.46
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.46
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.16	0.46
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.46
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.46
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.46
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.46
1:C:218:GLN:OE1	1:C:218:GLN:N	2.40	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.46
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.46
1:C:148:ILE:O	1:C:148:ILE:HG12	2.13	0.46
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.46
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.95	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.46
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.46
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.46
1:C:218:GLN:OE1	1:C:218:GLN:N	2.40	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.50	0.46
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.46
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.46
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.46
1:C:85:LEU:N	1:C:85:LEU:HD12	2.31	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.46
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.46
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.46
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.46
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.46
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.46
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.95	0.46
1:C:701:ARG:HG3	1:C:705:LYS:HZ3	1.81	0.46
2:Y:44:SER:OG	2:Y:45:GLU:N	2.49	0.46
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.46
1:C:218:GLN:OE1	1:C:218:GLN:N	2.40	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.46
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.46
1:C:85:LEU:N	1:C:85:LEU:HD12	2.31	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.46
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.46
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.46
1:C:505:ILE:CD1	1:C:506:ALA:N	2.72	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.46
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.46
1:C:218:GLN:OE1	1:C:218:GLN:N	2.40	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.46
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.46
1:C:218:GLN:OE1	1:C:218:GLN:N	2.40	0.46
1:C:309:TYR:HD2	1:C:356:LEU:O	1.98	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.15	0.46
1:C:801:LEU:HD23	1:C:801:LEU:HA	1.66	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.46
2:Y:113:LEU:HD23	2:Y:113:LEU:HA	1.65	0.46
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:N	1:C:85:LEU:HD12	2.31	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.46
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.46
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
2:Y:112:LEU:HD23	2:Y:112:LEU:HA	1.63	0.46
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.46
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.46
1:C:350:LYS:HZ1	1:C:386:LEU:CD1	2.29	0.46
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.46
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
2:Y:79:LYS:C	2:Y:81:SER:H	2.23	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.46
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.62	0.46
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.46
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.46
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.46
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.46
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.46
1:C:81:LYS:CE	1:C:772:GLU:HG3	2.45	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:350:LYS:HZ1	1:C:386:LEU:CD1	2.29	0.46
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.46
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.46
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.46
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.46
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.46
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.46
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.46
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.46
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.46
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:610:LEU:HA	1:C:610:LEU:HD23	1.62	0.46
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.46
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:722:ILE:C	1:C:777:ARG:NE	2.62	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:796:LYS:NZ	3:Z:128:LEU:CD2	2.66	0.46
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.46
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.46
1:C:350:LYS:HZ1	1:C:386:LEU:CD1	2.29	0.46
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.46
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.46
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.46
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.46
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.46
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.46
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.74	0.46
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.46
1:C:459:LEU:HA	1:C:459:LEU:HD23	1.63	0.46
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.46
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.46
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.48	0.46
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.46
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.46
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.46
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.46
1:C:350:LYS:HZ1	1:C:386:LEU:CD1	2.29	0.46
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.46
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.46
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.46
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.46
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.46
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:341:THR:HG1	1:C:344:GLU:HG2	1.78	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
1:C:610:LEU:HA	1:C:610:LEU:HD23	1.63	0.46
1:C:723:LEU:HA	1:C:723:LEU:HD23	1.63	0.46
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:317:LEU:HA	1:C:317:LEU:HD23	1.63	0.46
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.46
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.46
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.46
3:Z:110:LEU:C	3:Z:117:LEU:HD11	2.34	0.46
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.46
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.46
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.46
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.46
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.46
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:35:TRP:HE3	1:C:43:PHE:HB3	1.80	0.46
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.46
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.46
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.46
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.46
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.46
3:Z:119:ASP:CA	3:Z:122:VAL:CG1	2.93	0.46
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.46
1:C:350:LYS:HZ1	1:C:386:LEU:CD1	2.29	0.46
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.46
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.46
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.46
1:C:755:LEU:HA	1:C:755:LEU:HD23	1.69	0.46
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.11	0.46
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.46
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.46
2:Y:97:ASP:OD1	3:Z:124:GLU:O	2.33	0.46
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.63	0.46
3:Z:128:LEU:HD23	3:Z:128:LEU:HA	1.60	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:399:LEU:CD2	1:C:419:VAL:HG11	2.45	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:753:TYR:C	1:C:754:ARG:HG2	2.39	0.46
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.46
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.46
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.46
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.46
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.63	0.46
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.46
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.46
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.46
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.46
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.46
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.46
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.46
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.46
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.46
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.46
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.18	0.46
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.46
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.46
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.46
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.46
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.46
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.46
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.46
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.46
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.46
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.46
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.46
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.46
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.46
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.60	0.46
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.46
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.46
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.46
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.46
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.46
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.46
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.46
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.46
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:164:VAL:CG2	1:C:778:LEU:CD1	2.50	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:255:GLY:O	3:Z:113:LEU:HD11	2.15	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
1:C:664:HIS:CD2	1:C:711:LEU:HG	2.38	0.46
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.46
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.46
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.46
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
1:C:799:LYS:C	1:C:801:LEU:N	2.73	0.46
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.46
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.46
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.46
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.46
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.46
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.46
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.46
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.46
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.46
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.46
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.46
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.46
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.15	0.46
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.46
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.46
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.46
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.46
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.46
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.46
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.46
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.46
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.46
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.46
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.46
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.46
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.46
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.46
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.28	0.46
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.46
1:C:437:TRP:CD1	1:C:441:ARG:NH2	2.73	0.46
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.46
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.46
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.46
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.46
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.46
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.46
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.46
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.46
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.46
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.46
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
1:C:749:ASP:C	1:C:753:TYR:HE2	2.24	0.46
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.46
1:C:801:LEU:HD22	3:Z:21:TRP:HZ3	1.80	0.46
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.46
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.46
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.46
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.46
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.46
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:664:HIS:CE1	1:C:719:ARG:HH22	2.31	0.46
1:C:664:HIS:HE1	1:C:715:GLU:CB	2.24	0.46
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.46
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.46
1:C:762:PHE:HB3	1:C:766:VAL:HG23	1.94	0.46
1:C:801:LEU:HD23	1:C:801:LEU:HA	1.66	0.46
1:C:805:ARG:HG3	3:Z:21:TRP:CA	2.46	0.46
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.46
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.46
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:499:GLU:OE1	1:C:759:LYS:C	2.58	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.46
1:C:749:ASP:C	1:C:753:TYR:HE2	2.24	0.46
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.46
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.46
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.46
2:Y:117:GLY:HA3	3:Z:20:PHE:CZ	2.51	0.46
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.46
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.46
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.46
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.46
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.46
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.46
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:762:PHE:HB3	1:C:766:VAL:HG23	1.94	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.46
1:C:165:THR:C	1:C:774:ARG:HH12	2.23	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.46
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.46
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.46
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.46
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.46
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.46
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.46
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.46
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.46
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.46
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.46
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
3:Z:110:LEU:HD23	3:Z:110:LEU:HA	1.64	0.46
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:714:SER:O	3:Z:91:LYS:HE2	2.16	0.46
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.46
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.46
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.46
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.46
3:Z:110:LEU:HD23	3:Z:110:LEU:HA	1.64	0.46
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.46
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.46
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.46
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.46
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.46
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.46
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.46
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.46
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.46
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.46
1:C:364:LYS:CG	1:C:365:GLN:H	2.29	0.46
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.46
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.46
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.46
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:506:ALA:HB3	1:C:763:LYS:N	2.30	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
2:Y:101:THR:CA	3:Z:126:ILE:CG1	2.80	0.46
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.46
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.15	0.46
1:C:138:ALA:CB	3:Z:113:LEU:CG	2.92	0.46
1:C:218:GLN:OE1	1:C:218:GLN:N	2.40	0.46
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.46
1:C:341:THR:HG1	1:C:344:GLU:HG2	1.78	0.46
1:C:617:LEU:HD23	1:C:617:LEU:HA	1.61	0.46
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.46
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.46	0.46
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.46
2:Y:123:ASP:OD1	2:Y:127:MET:HG3	2.15	0.46
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.46
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.46
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.46
1:C:536:GLU:O	1:C:547:PHE:HZ	1.98	0.46
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.46
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.46
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
2:Y:96:PHE:CD2	2:Y:104:LEU:HD21	2.42	0.46
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.46
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.46
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.46
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.46
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.46
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.46
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.46
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.46
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.46
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.46
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.46
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.46
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.46
1:C:615:GLU:CD	1:C:617:LEU:H	2.16	0.46
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.46
1:C:832:LYS:CE	2:Y:48:GLY:N	2.78	0.46
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.46
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.46
2:Y:113:LEU:HD23	2:Y:113:LEU:HA	1.64	0.46
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.46
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.46
1:C:85:LEU:HD13	1:C:85:LEU:N	2.28	0.46
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.46
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.46
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.46
1:C:364:LYS:CG	1:C:365:GLN:H	2.29	0.46
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.46
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.46
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.46
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.46
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.46
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.46
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.46
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.46
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.46
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.46
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.46
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.46
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.46
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.46
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.46
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.46
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.46
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.46
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.46
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.46
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.46
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.46
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.46
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.79	0.46
1:C:800:LYS:O	1:C:803:ASP:OD1	2.32	0.46
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.46
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.46
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.46
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.46
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.46
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.46
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.46
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.46
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.46
1:C:377:THR:O	1:C:377:THR:HG22	2.15	0.46
1:C:484:LEU:O	1:C:487:PHE:HB3	2.15	0.46
1:C:505:ILE:HD12	1:C:766:VAL:C	2.41	0.46
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.46
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.11	0.46

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.45
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.45
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.98	0.45
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.45
1:C:437:TRP:CD1	1:C:441:ARG:NH2	2.73	0.45
1:C:551:LEU:HA	1:C:551:LEU:HD23	1.63	0.45
1:C:802:GLN:HE21	3:Z:17:LEU:HB2	1.81	0.45
2:Y:114:GLU:OE2	2:Y:125:MET:SD	2.73	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.45
1:C:85:LEU:C	1:C:85:LEU:CD1	2.78	0.45
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.45
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.45
1:C:358:MET:CE	1:C:426:LEU:HB3	2.34	0.45
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.45
1:C:579:GLU:HG2	1:C:580:LEU:N	2.30	0.45
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.45
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.45
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.63	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.45
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.45
1:C:316:CYS:SG	1:C:317:LEU:N	2.88	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:516:LEU:HD23	1:C:516:LEU:HA	1.62	0.45
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.62	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
2:Y:67:LEU:HD23	2:Y:67:LEU:HA	1.68	0.45
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.45
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.45
1:C:497:GLN:HG2	1:C:707:PHE:HZ	1.82	0.45
1:C:504:GLY:CA	1:C:755:LEU:HD23	2.44	0.45
1:C:551:LEU:HA	1:C:551:LEU:HD23	1.63	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.45
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.45
1:C:586:ASN:HD22	1:C:586:ASN:HA	1.62	0.45
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.45
1:C:738:VAL:O	1:C:741:LYS:HB2	2.15	0.45
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.49	0.45
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.45
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.45
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.45
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.45
1:C:167:ARG:N	1:C:722:ILE:HD11	2.30	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:449:LYS:O	3:Z:100:PHE:HA	2.15	0.45
1:C:453:ASN:O	3:Z:91:LYS:CG	2.55	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.45
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
2:Y:112:LEU:HD23	2:Y:112:LEU:HA	1.63	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.45
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.45
1:C:497:GLN:C	1:C:753:TYR:CA	2.89	0.45
1:C:551:LEU:HA	1:C:551:LEU:HD23	1.63	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.45
1:C:800:LYS:HA	1:C:803:ASP:OD1	2.16	0.45
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.45
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.45
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.45
1:C:505:ILE:CA	1:C:709:SER:HB3	2.31	0.45
1:C:551:LEU:HA	1:C:551:LEU:HD23	1.63	0.45
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.45
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.45
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.45
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.62	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.45
3:Z:79:GLU:N	3:Z:79:GLU:CD	2.73	0.45
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.45
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.45
1:C:586:ASN:HD22	1:C:586:ASN:HA	1.62	0.45
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.45
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
2:Y:117:GLY:HA3	3:Z:20:PHE:CZ	2.51	0.45
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.45
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.45
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.45
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.45
1:C:586:ASN:HD22	1:C:586:ASN:HA	1.62	0.45
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.45
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.46	0.45
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.45
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.45
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.45
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.45
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.45
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.45
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
1:C:800:LYS:O	1:C:804:GLN:HB3	2.15	0.45
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.45
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.45
1:C:551:LEU:HA	1:C:551:LEU:HD23	1.63	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.45
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.45
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.63	0.45
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.45
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.46	0.45
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.45
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.45
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.45
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.45
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.45
1:C:551:LEU:HA	1:C:551:LEU:HD23	1.63	0.45
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.45
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.45
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:503:GLU:O	1:C:753:TYR:CE1	2.67	0.45
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.45
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.45
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.45
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.45
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.45
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:498:GLU:HA	1:C:756:GLY:HA2	1.93	0.45
1:C:508:GLU:OE1	1:C:509:PHE:N	2.48	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.45
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.62	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.45
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.45
1:C:551:LEU:HA	1:C:551:LEU:HD23	1.63	0.45
1:C:738:VAL:O	1:C:741:LYS:HB2	2.15	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.24	0.45
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.45
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.60	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.45
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.45
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.45
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.87	0.45
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.45
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.45
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.45
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.78	0.45
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.70	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.45
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.45
1:C:56:ILE:HG12	1:C:69:VAL:CG2	2.32	0.45
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.45
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.45
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.45
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.81	0.45
1:C:746:LEU:HD23	1:C:746:LEU:HA	1.64	0.45
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.45
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.48	0.45
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.45
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.45
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.45
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.45
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.45
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.45
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.45
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.65	0.45
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.45
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.45
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.45
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.45
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.45
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.78	0.45
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.45
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.45
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.45
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.45
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.78	0.45
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.45
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.45
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
1:C:144:ARG:HG3	1:C:771:GLU:HA	0.59	0.45
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.45
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.29	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.45
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.45
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.45
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.63	0.45
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.45
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.45
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.45
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.45
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.45
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.59	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.45
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.78	0.45
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.45
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.45
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.98	0.45
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.45
1:C:231:ASN:HD22	1:C:241:SER:CA	2.09	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.45
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.45
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.45
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.59	0.45
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.45
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.45
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.45
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.45
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.45
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.46	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.45
1:C:832:LYS:CE	2:Y:48:GLY:N	2.78	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.45
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.45
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.45
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.45
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
1:C:137:ILE:CG1	1:C:138:ALA:N	2.78	0.45
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.45
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.69	0.45
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.45
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.45
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:231:ASN:HD22	1:C:241:SER:CA	2.10	0.45
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.45
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.45
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.45
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.45
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.45
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.78	0.45
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.45
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.45
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.45
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.45
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.45
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.45
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.45
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.66	0.45
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.45
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.45
1:C:243:PHE:CZ	1:C:245:LYS:CD	2.98	0.45
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.61	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.45
1:C:808:LEU:HD23	1:C:808:LEU:HA	1.61	0.45
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.45
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.45
1:C:610:LEU:HA	1:C:610:LEU:HD23	1.63	0.45
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.45
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.45
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.45
2:Y:117:GLY:HA3	3:Z:20:PHE:CZ	2.52	0.45
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.45
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.45
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:500:TYR:C	1:C:753:TYR:C	2.79	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.45
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.63	0.45
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.61	0.45
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.45
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.45
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.45
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.45
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.45
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
1:C:753:TYR:C	1:C:754:ARG:HG2	2.40	0.45
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.45
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.49	0.45
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.45
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.45
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.45
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.45
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.45
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.45
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.45
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.45
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.45
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.45
1:C:5:PHE:O	1:C:6:SER:CB	2.62	0.45
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.45
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.45
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
3:Z:79:GLU:N	3:Z:79:GLU:CD	2.73	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.16	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.45
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.45
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.45
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.45
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.45
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.45
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.45
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.45
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.45
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.45
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.28	0.45
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.45
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.45
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.45
1:C:832:LYS:CE	2:Y:48:GLY:N	2.77	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.45
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.45
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.45
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.45
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.45
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.45
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:506:ALA:N	1:C:762:PHE:HB3	2.26	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.45
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.45
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.45
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.45
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.45
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.45
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.45
1:C:773:MET:C	1:C:776:GLU:H	2.24	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.45
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.45
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.45
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.45
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.45
1:C:505:ILE:CA	1:C:762:PHE:HD2	2.29	0.45
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.45
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:281:ASN:ND2	1:C:281:ASN:C	2.71	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.04	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.47	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.45
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.45
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.45
2:Y:98:GLU:CG	2:Y:99:GLN:N	2.65	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.45
1:C:415:ASN:ND2	1:C:415:ASN:H	2.12	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.45
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.62	0.45
1:C:718:GLN:C	1:C:718:GLN:OE1	2.59	0.45
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.45
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.45
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.29	0.45
1:C:516:LEU:HD23	1:C:516:LEU:HA	1.62	0.45
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.45
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.45
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.45
1:C:178:SER:CB	1:C:236:ARG:HD3	2.37	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.15	0.45
1:C:762:PHE:CB	1:C:766:VAL:HG21	2.23	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.82	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.45
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.45
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.45
1:C:94:LEU:HA	1:C:94:LEU:HD23	1.62	0.45
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:94:LEU:HA	1:C:94:LEU:HD23	1.62	0.45
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:796:LYS:HE2	2:Y:98:GLU:HA	1.98	0.45
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.45
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.45
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.45
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.45
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.15	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.62	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.24	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.47	0.45
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.45
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.45
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.45
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:800:LYS:N	1:C:803:ASP:OD1	2.49	0.45
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.70	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.45
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.45
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.45
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.45
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.45
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.29	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
1:C:94:LEU:HA	1:C:94:LEU:HD23	1.62	0.45
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.45
3:Z:110:LEU:HD23	3:Z:110:LEU:HA	1.64	0.45
1:C:246:PHE:CB	1:C:459:LEU:HD21	2.45	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.97	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.45
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.52	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.45
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.67	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:504:GLY:O	1:C:755:LEU:CB	2.64	0.45
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.45
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.45
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.45
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.45
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.45
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.45
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.96	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.45
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:366:ARG:CZ	1:C:368:ARG:NH2	2.77	0.45
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.63	0.45
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.45
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.45
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.45
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.28	0.45
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.45
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
1:C:94:LEU:HA	1:C:94:LEU:HD23	1.62	0.45
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:505:ILE:CB	1:C:709:SER:HB2	2.46	0.45
1:C:506:ALA:CB	1:C:752:GLU:HB3	2.46	0.45
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.45
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.45
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.45
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.45
1:C:609:LEU:HA	1:C:609:LEU:HD23	1.62	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
1:C:802:GLN:HG2	3:Z:17:LEU:CD1	2.45	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.45
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.45
1:C:172:CYS:SG	1:C:458:VAL:HA	2.56	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:329:LYS:O	1:C:333:GLU:HG2	2.15	0.45
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.45
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.45
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.45
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.45
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.45
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.45
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.45
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.45
3:Z:131:LEU:HD23	3:Z:131:LEU:HA	1.61	0.45
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.45
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.45
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.45
1:C:509:PHE:O	1:C:763:LYS:HE2	2.16	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.16	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:437:TRP:CD1	1:C:441:ARG:NH2	2.73	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.45
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.45
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.61	0.45
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.45
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.16	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
1:C:753:TYR:C	1:C:753:TYR:CD1	2.93	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.45
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.45
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.45
1:C:505:ILE:HD12	1:C:767:LEU:CD1	2.46	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.16	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.45
1:C:832:LYS:CE	2:Y:48:GLY:N	2.77	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.45
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.45
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.45
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.45
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.45	0.45
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.45
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.45
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.45
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.63	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.45
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.31	0.45
1:C:160:TYR:OH	1:C:255:GLY:O	2.21	0.45
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.81	0.45
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.45
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.45
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.45
1:C:595:LEU:CG	1:C:596:GLU:N	2.77	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.45
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.45
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.45
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.45
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.45
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.16	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	3.00	0.45
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:147:LYS:O	3:Z:150:ALA:N	2.50	0.45
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.45
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.61	0.45
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.45
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.45
1:C:801:LEU:HD23	1:C:801:LEU:HA	1.66	0.45
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.45
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.45
1:C:507:TRP:HZ3	1:C:707:PHE:HD1	1.59	0.45
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.45
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.45
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.45
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.16	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.45
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.45
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.45
1:C:503:GLU:OE2	1:C:743:LEU:HD12	2.16	0.45
1:C:664:HIS:CE1	1:C:715:GLU:HB2	2.41	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.45
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.31	0.45
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.45
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.45
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.16	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.45
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.64	0.45
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.45
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.45
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.45
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.45
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.45
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.45
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.28	0.45
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.45
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.45
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	3.00	0.45
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.45
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.45
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.45
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:317:LEU:HA	1:C:317:LEU:HD23	1.63	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.45
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.45
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.45
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.45
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:676:LEU:HD23	1:C:676:LEU:HA	1.68	0.45
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.45
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.45
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.45
1:C:510:ILE:CD1	1:C:512:PHE:CE1	2.99	0.45
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.45
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.45
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.45
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.46	0.45
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.45
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.45
1:C:103:LEU:HD23	1:C:103:LEU:HA	1.60	0.45
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.45
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.45
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
1:C:13:LEU:HD12	1:C:131:ILE:CD1	2.39	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.45
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.45
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
1:C:13:LEU:HD12	1:C:131:ILE:CD1	2.39	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.45
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.45
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.45
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.45
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.45
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.45
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.45
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.28	0.45
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.45
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.45
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.45
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.45
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.45
1:C:808:LEU:HD23	1:C:808:LEU:HA	1.61	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.48	0.45
2:Y:134:VAL:HG12	2:Y:139:PHE:CB	2.45	0.45
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.46	0.45
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
3:Z:135:LEU:HA	3:Z:135:LEU:HD23	1.64	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.45
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.06	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.45
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.45
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.45
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.29	0.45
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.48	0.45
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.45
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.45
3:Z:29:ASP:OD1	3:Z:31:PHE:CB	2.63	0.45
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.45
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.45
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.28	0.45
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:500:TYR:CE1	1:C:707:PHE:CA	2.97	0.45
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.45
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.45
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.45
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.45
1:C:13:LEU:HD12	1:C:131:ILE:CD1	2.39	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.45
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.45
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
2:Y:91:ASN:C	2:Y:93:PHE:N	2.68	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.45
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:218:GLN:OE1	1:C:218:GLN:N	2.40	0.45
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.45
1:C:746:LEU:HD23	1:C:746:LEU:HA	1.64	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
3:Z:110:LEU:C	3:Z:117:LEU:HD11	2.34	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.45
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.45
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.45
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.45
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.45
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.45
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.59	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.45
1:C:317:LEU:HA	1:C:317:LEU:HD23	1.62	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.45
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.45
1:C:499:GLU:HB2	1:C:710:ARG:NH2	2.31	0.45
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.45
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.45
2:Y:106:ILE:CD1	2:Y:106:ILE:C	2.79	0.45
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.45
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.45
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.28	0.45
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.45
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.45
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
2:Y:104:LEU:HD23	2:Y:104:LEU:HA	1.60	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.45
1:C:13:LEU:HD12	1:C:131:ILE:CD1	2.39	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.45
1:C:535:GLU:O	1:C:539:PHE:HE1	1.96	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.45
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.45
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.45
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.45
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.45
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.74	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.45
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.45
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.81	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.45
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.45
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.45
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.61	0.45
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.29	0.45
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.45
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.45
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.30	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:126:TYR:CD1	1:C:677:LYS:O	2.66	0.45
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.61	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.45
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.45
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.63	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.45
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.45
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.74	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:499:GLU:HA	1:C:759:LYS:O	2.16	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.45
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.64	0.45
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	3.00	0.45
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.45
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.48	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45
1:C:216:GLU:N	1:C:216:GLU:CD	2.74	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:437:TRP:CD1	1:C:441:ARG:NH2	2.73	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.45
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.45
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.45
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.24	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.45
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.45
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.74	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:801:LEU:HB3	3:Z:17:LEU:HD11	1.99	0.45
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.45
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.45
1:C:216:GLU:N	1:C:216:GLU:CD	2.74	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:437:TRP:CD1	1:C:441:ARG:NH2	2.73	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.49	0.45
2:Y:67:LEU:HD23	2:Y:67:LEU:HA	1.68	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.45
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.49	0.45
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.45
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.45
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.45
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.45
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.74	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.45
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.45
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.45
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.45
3:Z:122:VAL:HA	3:Z:125:ILE:HD13	1.95	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.45
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.45
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.45
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.45
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.45
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.45
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.74	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.45
2:Y:98:GLU:CG	2:Y:99:GLN:N	2.65	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
3:Z:128:LEU:HD23	3:Z:128:LEU:HA	1.60	0.45
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.45
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.45
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.45
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.74	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.16	0.45
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.45
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.45
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.45
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.45
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.45
1:C:335:PHE:HB2	1:C:345:LYS:HZ3	1.74	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.45
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.45
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:712:ILE:CD1	1:C:715:GLU:CB	2.81	0.45
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.45
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.45
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.65	0.45
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.45
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.45
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.62	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.45
2:Y:113:LEU:HD23	2:Y:113:LEU:HA	1.65	0.45
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:364:LYS:CG	1:C:365:GLN:H	2.29	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.45
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.80	0.45
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.45
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.45
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.45
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
2:Y:117:GLY:HA3	3:Z:20:PHE:CZ	2.51	0.45
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.45
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.45
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.45
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.45
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.45
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.45
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.45
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.45
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
1:C:755:LEU:HA	1:C:755:LEU:HD23	1.69	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
1:C:111:LEU:HD23	1:C:111:LEU:HA	1.61	0.45
1:C:133:THR:C	1:C:136:VAL:HG22	2.38	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.29	0.45
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.45
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.45
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
1:C:113:TYR:CD2	1:C:150:PRO:HB2	2.29	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.45
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.45
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.30	0.45
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.45
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.45
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.45
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.45
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.45
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.45
2:Y:112:LEU:O	2:Y:116:MET:HB2	2.15	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.45
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.45
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.45
1:C:805:ARG:HG3	3:Z:21:TRP:CZ3	2.50	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.45
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.45
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.45
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.45
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.45
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.81	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.45
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.45
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.45
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.48	0.45
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.45
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.24	0.45
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.58	0.45
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.45
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.45
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.45	0.45
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.45
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.70	0.45
1:C:146:THR:HG21	1:C:766:VAL:O	2.16	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.16	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.45
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.45
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:516:LEU:C	1:C:518:MET:N	2.69	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.45
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.45
1:C:499:GLU:CB	1:C:710:ARG:CG	2.94	0.45
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.45
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.45
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.45
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.95	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:753:TYR:C	1:C:754:ARG:HG2	2.40	0.45
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.16	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.45
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
3:Z:33:LEU:HD23	3:Z:33:LEU:HA	1.62	0.45
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.45
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:713:TYR:HD2	1:C:739:SER:HG	1.62	0.45
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
3:Z:109:VAL:CG2	3:Z:110:LEU:N	2.77	0.45
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.45
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.45
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	3.00	0.45
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.45
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.45
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:167:ARG:HB3	1:C:718:GLN:O	2.16	0.45
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.18	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.45
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.45
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.45
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.45
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.45
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.63	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.45
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.45
1:C:365:GLN:CG	1:C:366:ARG:N	2.49	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.45
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:738:VAL:O	1:C:741:LYS:HB2	2.15	0.45
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.45
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.45
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.45
1:C:510:ILE:CD1	1:C:512:PHE:CE1	2.99	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.45
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.16	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:738:VAL:O	1:C:741:LYS:HB2	2.15	0.45
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
1:C:800:LYS:HG3	1:C:804:GLN:HB2	1.98	0.45
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.45
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:507:TRP:CA	1:C:707:PHE:HE2	2.30	0.45
1:C:778:LEU:HA	1:C:778:LEU:HD23	1.63	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.45
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.45
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.70	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:216:GLU:N	1:C:216:GLU:CD	2.73	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:497:GLN:C	1:C:761:PHE:CG	2.95	0.45
1:C:499:GLU:HG3	1:C:710:ARG:HD3	1.99	0.45
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.45
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.45
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.45
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.45
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.45
3:Z:122:VAL:HA	3:Z:125:ILE:HD13	1.96	0.45
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.45
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.45
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.45
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.45
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.45
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.47	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.49	0.45
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.45
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.45
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.45
1:C:399:LEU:HA	1:C:399:LEU:HD23	1.64	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.45
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.45
1:C:799:LYS:O	1:C:802:GLN:CA	2.64	0.45
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.59	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.45
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.45
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.45
1:C:350:LYS:HZ1	1:C:386:LEU:HD12	1.81	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.45
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.45
2:Y:98:GLU:HG3	3:Z:128:LEU:HG	1.97	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.45
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.45
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.45
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.45
1:C:684:ALA:O	1:C:687:VAL:HG23	2.10	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.45
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.30	0.45
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.45
2:Y:99:GLN:CG	3:Z:121:ASP:CA	2.93	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.70	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.62	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.45
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.45
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.45
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.45
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.45
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.45
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.45
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.45
1:C:88:MET:HE1	1:C:102:ASN:CB	2.44	0.45
1:C:254:THR:O	3:Z:95:ARG:CG	2.57	0.45
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.45
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.45
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.45
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.45
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.45
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.45
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.45
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.45
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.45
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.45
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.62	0.45
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:503:GLU:HG3	1:C:761:PHE:CZ	2.51	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.45
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.45
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.45
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.45
1:C:501:LYS:C	1:C:755:LEU:CB	2.85	0.45
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.45
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.45
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.45
3:Z:11:LEU:O	3:Z:14:VAL:CG2	2.64	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.45
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.45
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.45
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.45
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.45
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.70	0.45
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.45
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.45
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.45
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.48	0.45
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.46	0.45
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.45
1:C:500:TYR:CE1	1:C:707:PHE:HB2	2.48	0.45
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.45
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.45
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
3:Z:106:LEU:HD23	3:Z:106:LEU:HA	1.60	0.45
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.45
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.45
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.45
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.76	0.45
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.45
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.45
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:586:ASN:HD22	1:C:586:ASN:HA	1.62	0.45
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.45
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.45
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.45
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.73	0.45
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.45
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.45
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.45
1:C:165:THR:CB	1:C:718:GLN:HB3	2.46	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:746:LEU:HD23	1:C:746:LEU:HA	1.64	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	3.00	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.45
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.45
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:384:ALA:HB1	1:C:389:ILE:O	2.15	0.45
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.45
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
1:C:811:ILE:O	1:C:815:ILE:CG2	2.60	0.45
2:Y:29:VAL:CG1	2:Y:43:ILE:CG2	2.93	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.82	0.45
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:498:GLU:N	1:C:761:PHE:CE1	2.45	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.45
1:C:773:MET:C	1:C:776:GLU:CG	2.88	0.45
1:C:796:LYS:HZ1	3:Z:128:LEU:CD2	2.25	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.45
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.45
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.45
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.45
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.45
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.45
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.45
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.30	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.45
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.45
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:335:PHE:CD2	1:C:340:PHE:CB	2.73	0.45
1:C:660:LEU:HA	1:C:660:LEU:HD23	1.63	0.45
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.45
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.45
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:505:ILE:CD1	1:C:754:ARG:O	2.19	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.45
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.45
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.45
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.45
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.45
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.45
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.63	0.45
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.45
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.45
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.45
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.45
1:C:161:GLN:C	1:C:771:GLU:CA	2.89	0.45
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:454:TYR:CG	3:Z:92:THR:HA	2.52	0.45
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.45
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.45
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
2:Y:117:GLY:HA3	3:Z:20:PHE:CG	2.25	0.45
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.45
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.45
1:C:497:GLN:HG2	1:C:707:PHE:CD2	2.52	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.45
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.45
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.45
1:C:502:LYS:O	1:C:758:THR:O	2.17	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
2:Y:99:GLN:HG3	3:Z:128:LEU:N	2.29	0.45
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.60	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.45
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.45
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.45
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.45
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.45
1:C:743:LEU:HA	1:C:743:LEU:HD23	1.63	0.45
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.97	0.45
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.45
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.45
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.45
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.45
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.45
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.45
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.45
1:C:773:MET:N	1:C:776:GLU:CG	2.79	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.45
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.45
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.97	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.45
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.45
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
3:Z:131:LEU:HD23	3:Z:131:LEU:HA	1.61	0.45
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.45
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.45
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.45
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.45
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.45
3:Z:93:PHE:CE2	3:Z:105:GLU:HB3	2.47	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.45
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.45
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.45
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.45
1:C:498:GLU:C	1:C:756:GLY:CA	2.89	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.45
1:C:746:LEU:HD23	1:C:746:LEU:HA	1.64	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.45
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.45
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.64	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
1:C:832:LYS:HG2	2:Y:47:LEU:CD1	2.46	0.45
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.45
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.45
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.45
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.47	0.45
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.45
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.45
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.45
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.45
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.45
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.45
1:C:13:LEU:HD12	1:C:131:ILE:CD1	2.40	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.45
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.45
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.45
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.45
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.76	0.45
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.45
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.15	0.45
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.45
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.60	0.45
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.45
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:718:GLN:O	3:Z:88:GLU:HA	2.17	0.45
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.45
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.45
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.45
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.45
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.23	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:446:LEU:HD23	1:C:446:LEU:HA	1.71	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.45
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:506:ALA:CB	1:C:754:ARG:HH22	2.22	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.15	0.45
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.45
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.45
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.45
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.45
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.45
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.45
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.45
1:C:118:LEU:HA	1:C:118:LEU:HD23	1.72	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.45
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.45
1:C:118:LEU:HA	1:C:118:LEU:HD23	1.72	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.70	0.45
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.45
1:C:13:LEU:HD12	1:C:131:ILE:CD1	2.40	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.45
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.45
1:C:352:THR:HA	1:C:355:ILE:HD13	1.97	0.45
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.45
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.45
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.45
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.45
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.45
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.45
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.45
1:C:508:GLU:OE1	1:C:509:PHE:N	2.49	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.45
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
1:C:13:LEU:HD12	1:C:131:ILE:CD1	2.40	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.45
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.45
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.45
1:C:118:LEU:HA	1:C:118:LEU:HD23	1.72	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.45
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.45
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.45
3:Z:131:LEU:HD23	3:Z:131:LEU:HA	1.61	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.45
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.45
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.45
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.03	0.45
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.45
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
2:Y:117:GLY:HA3	3:Z:20:PHE:CZ	2.51	0.45
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:122:VAL:HA	3:Z:125:ILE:HD13	1.96	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.45
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.45
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.45
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:146:THR:HG23	1:C:768:GLY:HA2	1.88	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.48	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.45
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.16	0.45
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.60	0.45
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.45
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.45
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.45
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.45
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.76	0.45
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.45
1:C:770:LEU:HD23	1:C:770:LEU:HA	1.60	0.45
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.45
1:C:819:LEU:HD23	1:C:819:LEU:HA	1.62	0.45
2:Y:64:PRO:HG2	2:Y:71:MET:HE2	1.97	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
1:C:13:LEU:HD12	1:C:131:ILE:CD1	2.40	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.45
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.45
1:C:118:LEU:HA	1:C:118:LEU:HD23	1.72	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.73	0.45
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.45
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.45
1:C:522:LEU:HD23	1:C:522:LEU:HA	1.62	0.45
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.45
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.45
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.45
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.45
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.45
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.45
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.08	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.80	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.45
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:656:LEU:HD23	1:C:656:LEU:HA	1.62	0.45
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.45
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.45
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.45
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.62	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.45
1:C:770:LEU:HD23	1:C:770:LEU:HA	1.60	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.06	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.45
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.45
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.45
1:C:522:LEU:HD23	1:C:522:LEU:HA	1.62	0.45
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.45
1:C:494:ILE:HD11	1:C:755:LEU:CB	2.42	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.62	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.45
1:C:498:GLU:HB3	1:C:502:LYS:HZ3	1.82	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.62	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.45
2:Y:98:GLU:N	2:Y:98:GLU:CD	2.73	0.45
3:Z:131:LEU:HD23	3:Z:131:LEU:HA	1.61	0.45
1:C:320:ASP:OD1	1:C:320:ASP:N	2.48	0.45
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.45
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.45
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.45
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.45
1:C:522:LEU:HD23	1:C:522:LEU:HA	1.62	0.45
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.65	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.45
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.45
3:Z:40:LEU:HA	3:Z:40:LEU:HD23	1.62	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.45
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.45
1:C:136:VAL:HG23	1:C:137:ILE:N	2.30	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.45
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.45
1:C:510:ILE:CD1	1:C:512:PHE:CE1	2.99	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.45
2:Y:106:ILE:CD1	2:Y:106:ILE:C	2.79	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.45
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.45
1:C:522:LEU:HD23	1:C:522:LEU:HA	1.62	0.45
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.45
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.90	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.45
3:Z:11:LEU:HD13	3:Z:68:PHE:HE2	1.79	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.62	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.45
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.45
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
2:Y:117:GLY:HA3	3:Z:20:PHE:CZ	2.51	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.45
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.45
1:C:522:LEU:HD23	1:C:522:LEU:HA	1.62	0.45
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.45
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.62	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.45
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.45
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.45
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.45
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.45
1:C:522:LEU:HD23	1:C:522:LEU:HA	1.62	0.45
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.45
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.45
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.45
1:C:522:LEU:HD23	1:C:522:LEU:HA	1.62	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.45
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.62	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.45
1:C:717:LYS:HZ3	1:C:738:VAL:HG11	1.74	0.45
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.45
1:C:799:LYS:O	1:C:802:GLN:N	2.50	0.45
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.45
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.45
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.45
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.45
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.45
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.45
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.45
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.45
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.45
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.45
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.45
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
2:Y:98:GLU:CG	2:Y:99:GLN:N	2.65	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.45
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.45
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.29	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.45
1:C:509:PHE:CE1	1:C:754:ARG:NH1	2.79	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.45
1:C:773:MET:CA	1:C:776:GLU:HG2	2.45	0.45
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.45
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.45
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.29	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.45
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.62	0.45
2:Y:104:LEU:HD23	2:Y:104:LEU:HA	1.60	0.45
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.03	0.45
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.45
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.45
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.45
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.45
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.45
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.45
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.45
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.45
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.45
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.45
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.45
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.45
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.45
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.45
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.45
1:C:510:ILE:CD1	1:C:512:PHE:HE1	2.28	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.45
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.45
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.45
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.45
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.45
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.45
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.45
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.45
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.45
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.45
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.45
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.60	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.29	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.45
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.45
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.47	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.45
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.45
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.45
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:47:GLU:OE1	1:C:49:GLN:HG2	2.16	0.45
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.45
1:C:152:LEU:HA	1:C:152:LEU:HD23	1.61	0.45
1:C:231:ASN:HD22	1:C:241:SER:CA	2.10	0.45
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.45
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.45
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.45
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:499:GLU:HG3	1:C:710:ARG:HH12	1.82	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.15	0.45
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.45
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.45
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.97	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
2:Y:132:ALA:HA	2:Y:133:PRO:HD2	1.82	0.45
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.45
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.45
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.45
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.45
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:160:TYR:O	1:C:164:VAL:HG23	2.16	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.29	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.45
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.45
2:Y:115:ASN:N	2:Y:115:ASN:ND2	2.62	0.45
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.45
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.45
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.45
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.45
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.45
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.45
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.58	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:446:LEU:HA	1:C:446:LEU:HD23	1.70	0.45
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.45
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.45
1:C:317:LEU:HA	1:C:317:LEU:HD23	1.63	0.45
1:C:617:LEU:HD23	1:C:617:LEU:HA	1.61	0.45
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.45
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.45
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.45
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.31	0.45
1:C:246:PHE:CG	1:C:459:LEU:HD21	2.43	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.16	0.45
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.45
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:507:TRP:C	1:C:763:LYS:HB2	2.04	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.94	0.45
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.45
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.45
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
1:C:801:LEU:HD22	3:Z:21:TRP:CZ3	2.52	0.45
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.45
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.64	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.45
1:C:452:ARG:NE	3:Z:96:GLU:H	2.13	0.45
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.45
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.45
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.13	0.45
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.45
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.45
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:746:LEU:HD23	1:C:746:LEU:HA	1.64	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.24	0.45
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.45
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.45
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.45
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.45
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.45
1:C:505:ILE:HD13	1:C:755:LEU:N	2.31	0.45
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.45
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.45
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.45
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.45
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.45
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.45
2:Y:20:MET:HE2	2:Y:73:LEU:HD21	1.96	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.45
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.45
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.78	0.45
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.45
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.45
3:Z:19:ASP:OD1	3:Z:19:ASP:N	2.49	0.45
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.45
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.45
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
3:Z:79:GLU:N	3:Z:79:GLU:CD	2.73	0.45
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.45
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.45
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.81	0.45
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.45
1:C:461:ILE:C	1:C:462:ALA:C	2.84	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.47	0.45
2:Y:47:LEU:HA	2:Y:47:LEU:HD23	1.64	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.45
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.45
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.45
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.45
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.45
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.45
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:503:GLU:O	1:C:760:VAL:HG21	0.48	0.45
1:C:503:GLU:HG3	1:C:711:LEU:N	2.23	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	3.00	0.45
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.45
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.45
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.81	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.45
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.45
1:C:722:ILE:O	1:C:722:ILE:CG1	2.64	0.45
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.45
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.82	0.45
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.45
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.82	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.52	0.45
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.45
1:C:350:LYS:HZ1	1:C:386:LEU:HD12	1.82	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.45
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.45
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.45
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.45
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.45
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.45
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.45
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:586:ASN:HD22	1:C:586:ASN:HA	1.62	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.45
1:C:802:GLN:CG	3:Z:17:LEU:HG	2.46	0.45
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.59	0.45
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.45
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	3.00	0.45
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.45
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.45
1:C:785:PHE:CZ	3:Z:148:VAL:HG21	2.50	0.45
1:C:800:LYS:HG2	1:C:804:GLN:N	2.31	0.45
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.45
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.58	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.45
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.45
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.15	0.45
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.45
2:Y:138:LYS:HB3	3:Z:120:GLU:OE1	2.16	0.45
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.62	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.15	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	3.00	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.50	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.52	0.45
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.45
1:C:350:LYS:HZ1	1:C:386:LEU:HD12	1.82	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.24	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.45
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.58	0.45
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.45
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.45
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.70	0.45
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.45
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.45
1:C:799:LYS:O	1:C:802:GLN:N	2.48	0.45
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.45
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.45
1:C:68:THR:O	1:C:69:VAL:CG1	2.64	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.15	0.45
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
3:Z:6:ASP:OD1	3:Z:6:ASP:N	2.49	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.52	0.45
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.45
1:C:350:LYS:HZ1	1:C:386:LEU:HD12	1.82	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.47	0.45
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.45
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.98	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.45
1:C:502:LYS:O	1:C:756:GLY:O	2.32	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.15	0.45
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.59	0.45
1:C:800:LYS:C	1:C:802:GLN:N	2.75	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.45
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.45
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.28	0.45
1:C:490:HIS:CD2	1:C:494:ILE:HD11	2.51	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.45
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:455:TYR:CD1	1:C:455:TYR:C	2.94	0.45
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.45
1:C:615:GLU:CD	1:C:617:LEU:H	2.17	0.45
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.45
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.45
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.45
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.45
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:301:LEU:HD23	1:C:301:LEU:HA	1.62	0.45
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.45
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.45
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.45
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.45
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.45
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.45
1:C:297:ASN:ND2	1:C:297:ASN:N	2.61	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.45
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.45
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.66	0.45
2:Y:86:GLU:C	2:Y:89:ILE:HD11	2.32	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
3:Z:7:GLU:O	3:Z:10:ASP:HB2	2.15	0.45
3:Z:33:LEU:HD23	3:Z:33:LEU:HA	1.63	0.45
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.45
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
3:Z:122:VAL:HA	3:Z:125:ILE:HD13	1.96	0.45
1:C:12:TYR:HE1	1:C:131:ILE:CG1	2.24	0.45
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:718:GLN:OE1	1:C:718:GLN:C	2.59	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.45
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.45
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.45
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.45
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.52	0.45
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.45
1:C:350:LYS:HZ1	1:C:386:LEU:HD12	1.82	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.15	0.45
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.59	0.45
1:C:799:LYS:O	1:C:801:LEU:N	2.49	0.45
1:C:832:LYS:CE	2:Y:48:GLY:N	2.78	0.45
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.45
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.45
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.45
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.45
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.45
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:313:ASN:N	1:C:313:ASN:ND2	2.62	0.45
1:C:464:PHE:HE2	1:C:466:ILE:HG23	1.55	0.45
1:C:511:ASP:OD1	1:C:511:ASP:N	2.49	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.45
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.45
2:Y:135:GLU:N	2:Y:135:GLU:CD	2.73	0.45
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.31	0.45
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.45
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.45
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.45
1:C:254:THR:HB	3:Z:95:ARG:HH21	1.82	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.45
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.45
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.45
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.45
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.45
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.45
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.45
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.45
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:711:LEU:HA	1:C:711:LEU:HD23	1.68	0.45
1:C:738:VAL:O	1:C:741:LYS:HB2	2.15	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:160:TYR:OH	1:C:255:GLY:O	2.21	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:800:LYS:C	1:C:801:LEU:N	2.74	0.45
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.45
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.45
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.45
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.45
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.45
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.45
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.45
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.45
2:Y:67:LEU:HD23	2:Y:67:LEU:HA	1.68	0.45
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:160:TYR:OH	1:C:255:GLY:O	2.21	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:495:LEU:CD2	1:C:756:GLY:N	2.26	0.45
1:C:507:TRP:NE1	1:C:707:PHE:CD2	2.69	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.45
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.22	0.45
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.45
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.45
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:160:TYR:OH	1:C:255:GLY:O	2.21	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
1:C:833:VAL:CG2	1:C:834:LYS:N	2.78	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.50	0.45
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.45
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.45
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.45
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.45
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.66	0.45
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.45
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.45
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.45
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.45
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.45
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.45
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.45
3:Z:118:SER:OG	3:Z:121:ASP:OD2	2.26	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.45
1:C:767:LEU:HA	1:C:767:LEU:HD23	1.64	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.45
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.45
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:160:TYR:OH	1:C:255:GLY:O	2.21	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:498:GLU:C	1:C:756:GLY:HA2	2.42	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.45
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.45
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.45
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.45
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.45
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.45
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.45
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.45
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:160:TYR:OH	1:C:255:GLY:O	2.21	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.45
1:C:801:LEU:HD23	1:C:801:LEU:HA	1.66	0.45
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.45
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.45
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.45
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.45
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.45
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.45
1:C:498:GLU:C	1:C:756:GLY:HA3	2.41	0.45
1:C:505:ILE:HG23	1:C:753:TYR:C	2.30	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.45
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.45
1:C:160:TYR:OH	1:C:255:GLY:O	2.21	0.45
1:C:217:ASP:O	1:C:220:ILE:HG13	2.16	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.45
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.45
3:Z:33:LEU:HD23	3:Z:33:LEU:HA	1.63	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.45
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.45
1:C:503:GLU:CA	1:C:755:LEU:O	2.40	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.45
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.45
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.45
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.45
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.45
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.45
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.45
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.45
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.97	0.45
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.45
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.45
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.45
1:C:507:TRP:CE3	1:C:707:PHE:HE1	2.35	0.45
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.45
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.45
3:Z:33:LEU:HD23	3:Z:33:LEU:HA	1.62	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.45
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.45
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.45
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.45
3:Z:38:ARG:HA	3:Z:42:ILE:O	2.15	0.45
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.45
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.45
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.45
2:Y:90:ARG:HH12	3:Z:127:LYS:NZ	2.09	0.45
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.45
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.45
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.45
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.60	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.45
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.45
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.45
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.45
1:C:56:ILE:HG13	1:C:56:ILE:O	2.16	0.45
1:C:135:SER:HA	3:Z:108:HIS:O	2.17	0.45
1:C:147:GLU:CB	1:C:774:ARG:N	2.47	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.45
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.45
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.45
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.61	0.45
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.45
1:C:246:PHE:CD1	1:C:459:LEU:HD23	2.41	0.45
1:C:350:LYS:HZ1	1:C:386:LEU:HD12	1.81	0.45
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.62	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.47	0.45
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.45
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.45
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.45
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.45
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.45
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.62	0.45
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.45
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.45
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.45
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.45
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.45
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.45
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.70	0.45
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.45
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.45
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.45
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.80	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.45
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.45
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.45
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.45
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.45
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.45
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.45
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.45
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.45
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.45
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.45
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.45
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.45
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.45
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.45
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.45
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.28	0.45
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:534:GLU:CD	1:C:646:SER:CB	2.70	0.45
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.45
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.45
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.45
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.45
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.45
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.45
2:Y:138:LYS:HE2	3:Z:123:ASP:CA	2.11	0.45
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.45
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.45
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.03	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.45
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.45
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.45
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.45
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
3:Z:122:VAL:HA	3:Z:125:ILE:HD13	1.96	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.45
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.45
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.45
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.45
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.61	0.45
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.45
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.45
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.45
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.45
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.45
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.45
1:C:595:LEU:HD13	1:C:595:LEU:N	2.28	0.45
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.45
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.45
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.45
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.45
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.45
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:313:ASN:N	1:C:313:ASN:ND2	2.61	0.45
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.45
1:C:713:TYR:HD2	1:C:739:SER:HG	1.63	0.45
1:C:801:LEU:CB	3:Z:17:LEU:HD11	2.47	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.45
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:158:ASN:O	1:C:771:GLU:CD	2.59	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.45
1:C:454:TYR:O	3:Z:92:THR:O	2.35	0.45
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.45
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.45
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.45
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.45
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.45
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
1:C:796:LYS:HD2	3:Z:128:LEU:HD13	1.91	0.45
2:Y:47:LEU:HA	2:Y:47:LEU:HD23	1.65	0.45
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.45
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.45
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.45
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.45
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.45
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.67	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.45
1:C:313:ASN:N	1:C:313:ASN:ND2	2.61	0.45
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.37	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.45
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.45
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.45
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.45
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.45
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.45
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.45
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.60	0.45
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.45
1:C:313:ASN:N	1:C:313:ASN:ND2	2.61	0.45
1:C:390:ASN:ND2	1:C:393:ASP:OD2	2.38	0.45
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
1:C:671:ILE:O	1:C:671:ILE:CD1	2.66	0.45
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.45
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.45
1:C:159:ALA:HB2	1:C:666:HIS:ND1	2.31	0.45
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.45
1:C:379:GLU:CD	1:C:379:GLU:N	2.73	0.45
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.45
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.45
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.45
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.45
3:Z:128:LEU:C	3:Z:130:ASP:H	2.25	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.45
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.45
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.45
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.45
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.45
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.45
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.45
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	3.00	0.45
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.63	0.45
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.45
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.45
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.45
3:Z:69:LEU:HD23	3:Z:69:LEU:HA	1.65	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.45
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.45
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.45
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.45
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.45
1:C:496:GLU:H	1:C:710:ARG:CZ	2.30	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.45
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.45
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.45
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.45
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.45
1:C:478:ASN:CG	1:C:582:HIS:ND1	2.51	0.45
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.45
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.45
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.45
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.45
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.45
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.45
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.45
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.45
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.45
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.45
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.45
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.45
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.45
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.45
1:C:506:ALA:HB3	1:C:754:ARG:CZ	2.47	0.45
1:C:749:ASP:OD1	1:C:751:ALA:N	2.41	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.45
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.45
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.45
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.45
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.24	0.45
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.45
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.30	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.70	0.45
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.45
1:C:610:LEU:HA	1:C:610:LEU:HD23	1.62	0.45
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.62	0.45
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.45
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.45
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.66	0.45
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.45
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.45
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.45
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.45
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.45
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.45
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.24	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.45
2:Y:98:GLU:C	3:Z:124:GLU:CD	2.85	0.45
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.45
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.45
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.45
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.45
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.45
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.45
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.62	0.45
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.45
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.45
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.45
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.28	0.45
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.45
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.45
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.45
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:738:VAL:O	1:C:741:LYS:HB2	2.16	0.45
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.45
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.45
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.45
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.45
1:C:137:ILE:CG1	1:C:138:ALA:N	2.79	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.45
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.45
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.78	0.45
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.45
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.45
1:C:137:ILE:CG1	1:C:138:ALA:N	2.79	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.45
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.45
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.45
1:C:746:LEU:HD23	1:C:746:LEU:HA	1.65	0.45
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.45
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.45
2:Y:43:ILE:CG1	2:Y:44:SER:N	2.73	0.45
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.45
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.82	0.45
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.45
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.45
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.45
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.45
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.45
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.45
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.45
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.45
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.45
2:Y:117:GLY:HA3	3:Z:20:PHE:CZ	2.52	0.45
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.45
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.18	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.45
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.45
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.45
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.45
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.45
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.45
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.01	0.45
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.45
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.45
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.45
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.45
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.45
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.45
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.45
1:C:137:ILE:CG1	1:C:138:ALA:N	2.79	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.45
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.45
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.45
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.45
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.45
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.45
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.45
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.45
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.45
1:C:13:LEU:C	1:C:111:LEU:HD21	2.41	0.45
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.45
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.45
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.45
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.45
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.45
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:249:ILE:HD13	1:C:251:PHE:CZ	2.41	0.45
1:C:257:ILE:O	1:C:257:ILE:CG1	2.50	0.45
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.52	0.45
1:C:821:LEU:HA	1:C:821:LEU:HD23	1.62	0.45
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:67:LEU:HD23	2:Y:67:LEU:HA	1.68	0.45
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.45
2:Y:93:PHE:CG	2:Y:141:TYR:CB	3.00	0.45
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.45
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.45
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.45
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.45
1:C:131:ILE:O	1:C:131:ILE:HG13	2.14	0.45
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.58	0.45
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.45
1:C:832:LYS:CE	2:Y:48:GLY:N	2.78	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.45
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.45
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.45
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.45
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.45
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.45
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.45
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.45
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.45
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.45
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.45
1:C:495:LEU:HD23	1:C:495:LEU:HA	1.64	0.45
1:C:749:ASP:C	1:C:753:TYR:HE2	2.24	0.45
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.45
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.45
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.45
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.45
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.45
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.45
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.45
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.45
1:C:121:ILE:HG21	1:C:669:ARG:HH21	1.81	0.45
1:C:137:ILE:CG1	1:C:138:ALA:N	2.79	0.45
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.45
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.45
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.45
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.45
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.45
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.44
3:Z:147:LYS:O	3:Z:150:ALA:N	2.50	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.44
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.44
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.44
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.44
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.44
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.44
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.44
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.44
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.44
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.44
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.44
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.10	0.44
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.44
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.66	0.44
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.44
1:C:749:ASP:C	1:C:753:TYR:HE2	2.24	0.44
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.44
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.44
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.44
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.44
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.44
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.44
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.91	0.44
1:C:496:GLU:C	1:C:710:ARG:HH22	2.24	0.44
1:C:533:LEU:HA	1:C:533:LEU:HD23	1.63	0.44
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.44
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.44
1:C:746:LEU:HD23	1:C:746:LEU:HA	1.64	0.44
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.44
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.16	0.44
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.44
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.44
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.44
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.16	0.44
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.44
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.44
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.66	0.44
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.44
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.44
2:Y:93:PHE:CG	2:Y:141:TYR:CB	3.00	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.44
1:C:507:TRP:CG	1:C:763:LYS:CA	2.98	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.66	0.44
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.44
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.44
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.44
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.44
1:C:811:ILE:O	1:C:815:ILE:CG2	2.59	0.44
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.44
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.44
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.44
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.91	0.44
1:C:533:LEU:HA	1:C:533:LEU:HD23	1.63	0.44
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.44
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.44
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.44
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.44
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.44
3:Z:69:LEU:HD23	3:Z:69:LEU:HA	1.66	0.44
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.61	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.44
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.44
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.66	0.44
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.44
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.44
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.44
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.44
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.44
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.44
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.44
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.44
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.44
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:521:ASP:OD2	1:C:525:LYS:HD2	2.16	0.44
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.44
1:C:738:VAL:CG2	1:C:739:SER:N	2.78	0.44
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.44
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.44
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.44
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.44
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.44
2:Y:44:SER:OG	2:Y:45:GLU:N	2.49	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.44
1:C:503:GLU:CD	1:C:759:LYS:CD	2.90	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.66	0.44
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.44
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.44
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.44
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.44
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.66	0.44
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.44
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.44
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.44
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.44
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.44
1:C:583:TYR:HE1	1:C:584:ALA:CB	2.26	0.44
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:798:TYR:O	1:C:803:ASP:OD1	2.31	0.44
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.44
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.44
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.44
1:C:675:GLU:OE1	1:C:676:LEU:HA	2.16	0.44
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.44
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.44
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.44
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.44
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.44
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.44
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.44
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.44
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.44
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.44
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.44
1:C:517:GLN:O	1:C:520:ILE:HB	2.16	0.44
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.44
1:C:712:ILE:CD1	1:C:715:GLU:CB	2.81	0.44
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.44
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.44
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.44
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.44
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.44
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.44
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.64	0.44
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.44
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.70	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.44
1:C:653:LEU:HA	1:C:653:LEU:HD23	1.64	0.44
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.66	0.44
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.44
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.44
1:C:653:LEU:HA	1:C:653:LEU:HD23	1.64	0.44
2:Y:57:THR:OG1	2:Y:58:ALA:N	2.48	0.44
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.44
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.44
1:C:583:TYR:HE1	1:C:584:ALA:CB	2.26	0.44
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.44
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.44
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.44
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.23	0.44
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.44
2:Y:98:GLU:CG	2:Y:99:GLN:N	2.65	0.44
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.44
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.44
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.44
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.44
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.44
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.44
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.44
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.44
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.44
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.44
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.44
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.44
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.01	0.44
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.44
3:Z:128:LEU:HD23	3:Z:128:LEU:HA	1.60	0.44
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.44
1:C:583:TYR:HE1	1:C:584:ALA:CB	2.26	0.44
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.44
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.44
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.44
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.44
1:C:653:LEU:HA	1:C:653:LEU:HD23	1.64	0.44
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.44
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.44
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.44
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.44
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.44
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.44
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.44
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.44
2:Y:20:MET:CE	2:Y:76:PHE:CD2	2.98	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.44
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.44
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.44
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.44
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.44
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.44
1:C:583:TYR:HE1	1:C:584:ALA:CB	2.26	0.44
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.44
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.44
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.44
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.44
3:Z:6:ASP:N	3:Z:6:ASP:OD1	2.49	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:40:LEU:HA	3:Z:40:LEU:HD23	1.62	0.44
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.44
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.64	0.44
1:C:804:GLN:OE1	3:Z:21:TRP:HH2	2.00	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.44
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.44
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.44
1:C:254:THR:O	3:Z:96:GLU:OE1	2.35	0.44
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.95	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.44
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.44
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.44
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.44
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.44
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.44
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.44
1:C:583:TYR:HE1	1:C:584:ALA:CB	2.26	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.01	0.44
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.44
1:C:653:LEU:HA	1:C:653:LEU:HD23	1.64	0.44
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.44
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.01	0.44
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.44
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.44
2:Y:44:SER:OG	2:Y:45:GLU:N	2.49	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.44
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.44
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.44
1:C:364:LYS:CG	1:C:365:GLN:H	2.29	0.44
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.44
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.44
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:118:LEU:HA	1:C:118:LEU:HD23	1.72	0.44
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.44
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.44
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.64	0.44
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.44
2:Y:113:LEU:HD23	2:Y:113:LEU:HA	1.64	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.44
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:437:TRP:CD1	1:C:441:ARG:NH2	2.73	0.44
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.44
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.44
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.44
3:Z:147:LYS:O	3:Z:150:ALA:N	2.50	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.44
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.44
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.44
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.53	0.44
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.44
1:C:180:ALA:CB	1:C:670:CYS:HG	2.29	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.44
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.44
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.44
2:Y:20:MET:HE2	2:Y:73:LEU:HD21	1.96	0.44
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.44
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.44
1:C:454:TYR:CA	3:Z:92:THR:HA	2.33	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.44
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.44
1:C:505:ILE:O	1:C:767:LEU:HB3	1.97	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.44
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.44
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.44
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.44
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.44
1:C:180:ALA:CB	1:C:670:CYS:HG	2.29	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:510:ILE:CD1	1:C:512:PHE:CE1	2.99	0.44
1:C:533:LEU:HA	1:C:533:LEU:HD23	1.63	0.44
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.44
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.44
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.44
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.44
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.44
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.44
1:C:767:LEU:HA	1:C:767:LEU:HD23	1.63	0.44
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.44
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.44
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.44
1:C:180:ALA:CB	1:C:670:CYS:HG	2.29	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.44
1:C:722:ILE:O	1:C:777:ARG:HB3	2.17	0.44
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.44
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.44
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.44
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.44
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.44
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.44
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.44
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.44
2:Y:99:GLN:OE1	3:Z:127:LYS:CE	2.61	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.44
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.44
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.44
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.44
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.44
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.44
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.44
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.44
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.44
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.44
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.44
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.44
1:C:726:ASN:N	1:C:726:ASN:ND2	2.62	0.44
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.44
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.44
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.44
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.44
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.44
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.44
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.44
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.44
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.44
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.44
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.44
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.01	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
1:C:16:ASP:OD1	1:C:16:ASP:N	2.49	0.44
1:C:285:PHE:CE1	1:C:311:PHE:HE1	2.17	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.44
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.44
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.44
1:C:726:ASN:N	1:C:726:ASN:ND2	2.62	0.44
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.44
2:Y:60:LEU:HD23	2:Y:60:LEU:HA	1.61	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.44
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.44
1:C:81:LYS:HZ1	1:C:772:GLU:HA	1.82	0.44
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.44
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.44
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:379:GLU:CD	1:C:379:GLU:N	2.73	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.44
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.44
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.97	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.44
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.44
1:C:800:LYS:O	1:C:804:GLN:HB3	2.18	0.44
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.44
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.44
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.44
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.44
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.44
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.44
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.44
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:501:LYS:N	1:C:754:ARG:N	2.64	0.44
1:C:505:ILE:HA	1:C:767:LEU:HG	2.00	0.44
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.44
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.44
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.44
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.44
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.44
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.44
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.44
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.44
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.44
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:85:LEU:N	1:C:85:LEU:HD12	2.31	0.44
1:C:134:ASP:CA	3:Z:108:HIS:CE1	3.00	0.44
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.18	0.44
1:C:261:ASP:OD2	1:C:443:ASN:OD1	2.34	0.44
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.44
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.44
1:C:686:LEU:HA	1:C:686:LEU:HD23	1.61	0.44
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.44
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.17	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.44
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.44
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.50	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.44
1:C:701:ARG:HG3	1:C:705:LYS:HZ2	1.81	0.44
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.44
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.44
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.44
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.44
1:C:800:LYS:HG2	1:C:804:GLN:H	1.80	0.44
2:Y:36:SER:O	2:Y:39:ASP:N	2.48	0.44
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.44
2:Y:93:PHE:CG	2:Y:141:TYR:CB	3.00	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.44
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.44
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.44
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.44
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.44
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.44
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.44
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.44
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.44
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.44
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:563:THR:O	1:C:564:LYS:C	2.59	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.44
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.44
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.44
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.44
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.44
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.18	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.44
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.44
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.44
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.44
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.44
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.44
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.44
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.44
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.18	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.44
2:Y:93:PHE:CG	2:Y:141:TYR:CB	3.00	0.44
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.44
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.44
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.44
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.44
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.44
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:534:GLU:CD	1:C:644:THR:HG1	2.14	0.44
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.44
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.62	0.44
1:C:832:LYS:CE	2:Y:48:GLY:N	2.78	0.44
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.44
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.44
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:138:LYS:HD3	3:Z:123:ASP:HA	1.91	0.44
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.44
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.44
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.44
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.44
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.44
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:285:PHE:CE1	1:C:356:LEU:CD2	3.00	0.44
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.44
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.44
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.44
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.44
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.44
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.44
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.44
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.44
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.44
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.44
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.44
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:36:SER:O	2:Y:39:ASP:N	2.47	0.44
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.44
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.44
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.44
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.44
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.44
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.44
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.44
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.83	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.44
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.44
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:500:TYR:HE1	1:C:707:PHE:CD1	1.71	0.44
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.44
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.78	0.44
2:Y:44:SER:OG	2:Y:45:GLU:N	2.49	0.44
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.44
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.44
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.44
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.44
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.44
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.44
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.44
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.44
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.44
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.44
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.44
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.44
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.44
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.44
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.44
1:C:801:LEU:HD21	3:Z:21:TRP:CZ3	2.52	0.44
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.44
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.44
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.83	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.44
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.44
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.44
1:C:746:LEU:CG	1:C:777:ARG:HH22	2.29	0.44
2:Y:86:GLU:CA	2:Y:89:ILE:HD13	2.25	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.44
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.44
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.44
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.44
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.44
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.44
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.44
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.44
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.44
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:221:GLN:C	1:C:224:PRO:HD2	2.41	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
1:C:314:GLN:CG	1:C:315:GLY:N	2.64	0.44
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.44
3:Z:134:ASP:OD1	3:Z:134:ASP:N	2.49	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.44
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.44
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.44
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.44
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.44
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:499:GLU:O	1:C:760:VAL:C	2.60	0.44
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.41	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.44
1:C:774:ARG:C	1:C:776:GLU:H	2.22	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:134:ASP:OD1	3:Z:134:ASP:N	2.49	0.44
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.44
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.44
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.44
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.44
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.19	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
2:Y:93:PHE:CG	2:Y:141:TYR:CB	3.00	0.44
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.44
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.44
3:Z:79:GLU:N	3:Z:79:GLU:CD	2.73	0.44
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.44
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.44
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.44
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.44
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.60	0.44
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.44
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.44
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.44
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.44
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.98	0.44
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	3.00	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.44
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.44
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.44
1:C:718:GLN:OE1	3:Z:92:THR:N	2.48	0.44
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.44
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.44
1:C:801:LEU:HD23	1:C:801:LEU:HA	1.66	0.44
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.44
3:Z:147:LYS:O	3:Z:150:ALA:N	2.49	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.16	0.44
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.44
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.44
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:505:ILE:CG1	1:C:754:ARG:CB	2.87	0.44
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.44
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.44
2:Y:67:LEU:HD23	2:Y:67:LEU:HA	1.68	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.44
2:Y:99:GLN:CB	3:Z:127:LYS:O	2.46	0.44
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.44
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.44
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.44
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.44
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.44
1:C:713:TYR:HD2	1:C:739:SER:HG	1.64	0.44
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.44
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.44
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.81	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.26	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:793:LEU:CB	2:Y:98:GLU:CG	2.55	0.44
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.26	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.44
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.44
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.44
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.44
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:HA	2.16	0.44
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:398:LEU:HA	1:C:398:LEU:HD23	1.64	0.44
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.44
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.44
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.44
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.44
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.44
2:Y:43:ILE:CG1	2:Y:44:SER:N	2.73	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.44
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.44
1:C:131:ILE:O	1:C:131:ILE:HG13	2.15	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.44
1:C:762:PHE:HB3	1:C:766:VAL:HG23	1.94	0.44
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.76	0.44
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.44
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.44
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.44
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
2:Y:117:GLY:HA3	3:Z:20:PHE:CZ	2.51	0.44
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.26	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:504:GLY:CA	1:C:754:ARG:O	2.65	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.44
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.44
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.44
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.44
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.83	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.44
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.44
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.70	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.44
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.58	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.44
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.44
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.44
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.44
3:Z:131:LEU:HD23	3:Z:131:LEU:HA	1.61	0.44
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.44
1:C:364:LYS:CG	1:C:365:GLN:H	2.29	0.44
1:C:446:LEU:HA	1:C:446:LEU:HD23	1.71	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.44
1:C:60:ILE:HD11	1:C:64:SER:H	1.82	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.44
1:C:111:LEU:HD23	1:C:111:LEU:HA	1.61	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.44
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.44
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.44
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.44
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.44
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.44
1:C:660:LEU:O	1:C:663:THR:HG23	2.17	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.44
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.69	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.26	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.90	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:507:TRP:CZ3	1:C:707:PHE:CA	3.00	0.44
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.44
3:Z:93:PHE:O	3:Z:93:PHE:CD2	2.70	0.44
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.44
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.44
1:C:802:GLN:NE2	3:Z:17:LEU:CD1	2.74	0.44
1:C:802:GLN:CD	3:Z:17:LEU:HD12	2.43	0.44
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.44
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.44
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.44
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.44
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.44
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.44
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.44
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.44
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.44
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.44
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.44
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.44
1:C:534:GLU:CD	1:C:644:THR:HG1	2.15	0.44
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.44
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.44
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.44
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.44
1:C:218:GLN:OE1	1:C:218:GLN:N	2.41	0.44
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.44
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.44
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.44
3:Z:69:LEU:HD23	3:Z:69:LEU:HA	1.66	0.44
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.44
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.44
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.44
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.44
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.44
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.44
1:C:218:GLN:OE1	1:C:218:GLN:N	2.41	0.44
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.44
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.44
1:C:800:LYS:HZ1	2:Y:95:MET:HG2	0.59	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.44
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.44
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.44
1:C:218:GLN:OE1	1:C:218:GLN:N	2.41	0.44
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.44
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.44
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.44
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.44
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.44
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.44
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.44
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.44
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.44
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.44
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.44
1:C:773:MET:N	1:C:776:GLU:HG3	2.32	0.44
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.25	0.44
1:C:69:VAL:O	1:C:70:LYS:C	2.59	0.44
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:551:LEU:HA	1:C:551:LEU:HD23	1.63	0.44
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.44
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.44
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.44
1:C:218:GLN:OE1	1:C:218:GLN:N	2.41	0.44
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.44
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.44
1:C:776:GLU:O	1:C:779:SER:OG	2.32	0.44
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.44
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.44
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.44
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.44
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.45	0.44
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.51	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.44
3:Z:106:LEU:HD23	3:Z:106:LEU:HA	1.61	0.44
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.44
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.44
1:C:218:GLN:OE1	1:C:218:GLN:N	2.41	0.44
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.44
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.44
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.44
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.47	0.44
1:C:804:GLN:C	3:Z:21:TRP:CH2	2.94	0.44
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.44
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.44
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
1:C:755:LEU:HB3	1:C:756:GLY:H	1.47	0.44
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.44
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.44
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.44
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.44
1:C:218:GLN:OE1	1:C:218:GLN:N	2.41	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.44
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.44
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.44
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.44
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.44
1:C:819:LEU:HD23	1:C:819:LEU:HA	1.62	0.44
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.44
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.44
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.44
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.58	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.44
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.44
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.44
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.81	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.44
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.44
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.44
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.26	0.44
1:C:723:LEU:HA	1:C:777:ARG:CZ	2.43	0.44
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.44
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.44
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.96	0.44
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.44
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:446:LEU:HD23	1:C:446:LEU:HA	1.70	0.44
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.44
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.44
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.44
2:Y:85:SER:HG	2:Y:88:THR:H	1.57	0.44
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.44
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:503:GLU:CG	1:C:711:LEU:N	2.68	0.44
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.44
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.44
1:C:763:LYS:O	1:C:766:VAL:CG2	2.53	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:506:ALA:HB3	1:C:766:VAL:HG21	1.99	0.44
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.44
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.44
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.44
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.44
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.44
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.44
3:Z:69:LEU:HD23	3:Z:69:LEU:HA	1.66	0.44
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.44
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.44
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.58	0.44
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.44
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.44
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.44
1:C:101:TYR:O	1:C:105:SER:OG	2.20	0.44
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.44
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.44
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.95	0.44
1:C:285:PHE:CE1	1:C:356:LEU:CD2	2.99	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:511:ASP:OD1	1:C:511:ASP:N	2.48	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.44
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.44
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.44
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.44
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.44
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:500:TYR:HB3	1:C:761:PHE:HB2	2.00	0.44
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.44
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.44
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.44
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.44
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.44
2:Y:98:GLU:OE2	3:Z:124:GLU:OE2	2.35	0.44
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.44
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.44
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.44
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.44
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	2.00	0.44
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.01	0.44
3:Z:37:CYS:HB2	3:Z:75:LEU:HD13	1.98	0.44
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.26	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.44
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.44
1:C:287:GLN:OE1	1:C:324:ASP:C	2.48	0.44
1:C:293:ILE:HG21	1:C:328:PHE:HE2	1.80	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
2:Y:53:ASP:OD1	2:Y:53:ASP:N	2.49	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.01	0.44
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.44
3:Z:126:ILE:HG12	3:Z:127:LYS:H	1.77	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:88:MET:HE1	1:C:102:ASN:CB	2.43	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.44
1:C:60:ILE:HD11	1:C:64:SER:H	1.82	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.44
1:C:285:PHE:CE1	1:C:311:PHE:HE1	2.16	0.44
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.44
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.44
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.44
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.44
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.44
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.44
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:492:MET:O	1:C:496:GLU:CG	2.65	0.44
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.44
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.44
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.44
1:C:796:LYS:NZ	2:Y:94:ALA:CB	2.79	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.44
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.44
1:C:755:LEU:HA	1:C:755:LEU:HD23	1.69	0.44
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.33	0.44
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.44
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.63	0.44
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.44
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.44
1:C:365:GLN:CG	1:C:366:ARG:N	2.48	0.44
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.44
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.44
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.44
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
1:C:156:ALA:C	1:C:192:TYR:CE2	2.91	0.44
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.44
1:C:337:ILE:CD1	1:C:337:ILE:C	2.90	0.44
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.44
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.44
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.44
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.44
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.44
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.44
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.44
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.44
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.25	0.44
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.44
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.63	0.44
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.44
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.44
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.44
3:Z:20:PHE:CD1	3:Z:24:ARG:HB2	2.38	0.44
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.44
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.44
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.44
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.44
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.44
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.44
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.44
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.44
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.63	0.44
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.44
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.44
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.44
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.44
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.44
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.44
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.66	0.44
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.31	0.44
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.44
2:Y:67:LEU:HD23	2:Y:67:LEU:HA	1.68	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.44
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.44
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.44
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.44
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.44
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.63	0.44
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.44
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.44
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.44
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.44
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.44
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.44
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.44
1:C:310:SER:O	1:C:313:ASN:ND2	2.50	0.44
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.30	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.44
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.44
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.63	0.44
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.44
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.44
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.44
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.65	0.44
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.44
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.44
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.44
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.44
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.25	0.44
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.44
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.44
1:C:505:ILE:N	1:C:754:ARG:NE	2.66	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.44
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.63	0.44
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.44
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.44
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.44
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.44
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.44
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.44
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.44
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.63	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.44
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.81	0.44
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.44
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.44
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.44
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.44
3:Z:49:VAL:CG2	3:Z:50:PHE:N	2.74	0.44
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.44
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.44
1:C:505:ILE:CB	1:C:754:ARG:HB2	2.26	0.44
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.44
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.44
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.44
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.44
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.44
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.44
1:C:507:TRP:CZ3	1:C:707:PHE:CD1	3.05	0.44
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.44
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.44
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.44
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.44
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.01	0.44
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.44
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.44
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.44
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.44
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.44
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.40	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.44
3:Z:69:LEU:HD23	3:Z:69:LEU:HA	1.66	0.44
1:C:100:LEU:HG	1:C:691:LEU:HD12	1.98	0.44
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.44
1:C:507:TRP:CZ3	1:C:707:PHE:CE1	3.06	0.44
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.44
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.44
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.44
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.44
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.44
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.44
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.44
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.44
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.44
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.44
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
1:C:800:LYS:HE2	1:C:804:GLN:HG2	1.57	0.44
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.44
2:Y:99:GLN:CD	3:Z:125:ILE:HD12	2.43	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.44
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.44
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.44
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.44
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.44
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.44
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.44
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.44
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.44
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.44
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.44
1:C:219:ILE:HD12	1:C:220:ILE:N	2.31	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.44
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.01	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.44
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.44
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.44
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.44
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.33	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.26	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.44
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.44
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.44
1:C:745:GLY:C	1:C:747:GLN:N	2.70	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.44
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.44
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.44
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.44
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.44
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.44
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.44
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.44
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.44
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
1:C:749:ASP:C	1:C:753:TYR:HE2	2.24	0.44
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.44
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.44
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.44
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.44
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.44
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.44
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.44
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.44
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.44
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.44
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.44
2:Y:113:LEU:HD23	2:Y:113:LEU:HA	1.64	0.44
2:Y:117:GLY:O	3:Z:24:ARG:N	2.49	0.44
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.44
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.44
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.44
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.44
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.44
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.44
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.44
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.44
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.95	0.44
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.44
1:C:663:THR:O	1:C:665:PRO:CD	2.55	0.44
1:C:152:LEU:HA	1:C:152:LEU:HD23	1.61	0.44
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.82	0.44
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.73	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:144:ARG:HG2	1:C:774:ARG:CB	2.47	0.44
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.44
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.44
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.44
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.44
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.44
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.44
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.44
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.44
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.44
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.44
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.44
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.44
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.44
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.44
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.44
1:C:175:THR:CG2	1:C:484:LEU:CD1	2.86	0.44
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.44
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.44
1:C:509:PHE:HA	1:C:754:ARG:CD	2.38	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.44
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.44
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.44
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.44
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.44
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:160:TYR:OH	1:C:255:GLY:O	2.21	0.44
1:C:335:PHE:CE2	1:C:345:LYS:CA	2.91	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:800:LYS:HB2	1:C:803:ASP:OD2	2.16	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.44
2:Y:67:LEU:HD23	2:Y:67:LEU:HA	1.68	0.44
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:645:ILE:HA	1:C:648:VAL:HG12	1.97	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.44
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.44
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.44
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.44
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.44
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.44
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.44
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.44
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.44
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.80	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.44
3:Z:18:PHE:HZ	3:Z:32:LYS:HB2	1.69	0.44
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.44
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.74	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
2:Y:67:LEU:HD23	2:Y:67:LEU:HA	1.68	0.44
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.44
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.44
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:165:THR:O	1:C:722:ILE:CG1	2.66	0.44
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.44
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.44
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.44
3:Z:110:LEU:HD23	3:Z:110:LEU:HA	1.64	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.52	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.44
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.44
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.44
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.44
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.44
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.51	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.44
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.44
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.44
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.44
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.44
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.44
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.44
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:379:GLU:CD	1:C:379:GLU:N	2.73	0.44
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.44
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.44
1:C:749:ASP:C	1:C:753:TYR:HE2	2.24	0.44
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.44
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.44
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.44
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.44
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.44
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.44
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.44
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.44
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.31	0.44
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.44
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:709:SER:CB	1:C:710:ARG:N	2.76	0.44
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.44
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.44
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.31	0.44
2:Y:60:LEU:HD23	2:Y:60:LEU:HA	1.61	0.44
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.44
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.44
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.44
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.44
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.44
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.44
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.44
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.44
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.44
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.44
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.44
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.44
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.30	0.44
2:Y:60:LEU:HD23	2:Y:60:LEU:HA	1.61	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.44
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.44
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.44
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
1:C:265:TYR:CE2	1:C:266:LEU:HD12	2.51	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
3:Z:33:LEU:HD23	3:Z:33:LEU:HA	1.62	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.44
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.44
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.44
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:195:LYS:CG	1:C:195:LYS:O	2.66	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.44
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.81	0.44
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.44
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.44
3:Z:128:LEU:HD23	3:Z:128:LEU:HA	1.60	0.44
1:C:7:ASP:OD1	1:C:7:ASP:N	2.49	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.44
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.44
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.44
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.44
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.25	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:357:HIS:HB2	1:C:383:VAL:HG12	1.98	0.44
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.58	0.44
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.44
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.44
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.44
1:C:501:LYS:CD	1:C:753:TYR:CE1	2.88	0.44
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.44
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.44
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.44
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.44
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.44
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.44
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.44
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.44
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.44
2:Y:117:GLY:HA3	3:Z:20:PHE:CZ	2.52	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.44
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.44
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.44
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.44
1:C:13:LEU:HD12	1:C:131:ILE:CD1	2.39	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.44
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.44
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.44
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.44
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.64	0.44
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.44
2:Y:80:LEU:HA	2:Y:80:LEU:HD23	1.65	0.44
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.44
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.44
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:506:ALA:CB	1:C:751:ALA:O	2.66	0.44
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.44
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.44
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.44
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.44
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.44
1:C:801:LEU:HB2	3:Z:17:LEU:HD11	1.96	0.44
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.44
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.44
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.44
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.44
2:Y:60:LEU:HD23	2:Y:60:LEU:HA	1.61	0.44
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.44
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:265:TYR:CE2	1:C:266:LEU:HG	2.52	0.44
1:C:533:LEU:HA	1:C:533:LEU:HD23	1.63	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.44
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.82	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.62	0.44
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.44
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.44
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.44
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.44
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.44
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.44
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.75	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.44
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.53	0.44
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.44
1:C:800:LYS:CB	1:C:804:GLN:HB2	2.47	0.44
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.08	0.44
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.44
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:533:LEU:HD23	1:C:533:LEU:HA	1.63	0.44
1:C:643:GLN:HG2	1:C:644:THR:O	2.16	0.44
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.44
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.44
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.44
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.33	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.44
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.44
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.44
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.44
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.44
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.44
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.44
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.44
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.44
1:C:88:MET:CE	1:C:102:ASN:HB2	2.45	0.44
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.44
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.44
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.44
2:Y:100:GLU:C	3:Z:128:LEU:N	2.74	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.44
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.44
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.44
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.44
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.44
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:217:ASP:N	1:C:217:ASP:OD1	2.48	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.44
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.44
3:Z:110:LEU:HD23	3:Z:110:LEU:HA	1.64	0.44
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.44
1:C:285:PHE:CD2	1:C:311:PHE:HE1	2.35	0.44
1:C:479:TYR:OH	1:C:524:GLU:CG	2.64	0.44
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.44
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.44
1:C:472:PHE:HA	1:C:594:TRP:CH2	2.37	0.44
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.44
1:C:546:SER:O	1:C:550:LYS:HB2	2.17	0.44
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.44
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.44
1:C:800:LYS:O	1:C:804:GLN:HB2	2.13	0.44
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.67	0.44
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.44
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.44
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.44
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.44
1:C:505:ILE:N	1:C:760:VAL:HG23	2.31	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
2:Y:67:LEU:HD23	2:Y:67:LEU:HA	1.68	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.44
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.44
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.44
2:Y:86:GLU:CB	2:Y:149:LYS:CD	2.63	0.44
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.65	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.44
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.67	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.25	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.44
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.44
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.44
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.44
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:144:ARG:CD	1:C:774:ARG:NH2	2.80	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.44
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.44
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.44
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.44
2:Y:106:ILE:CD1	2:Y:106:ILE:C	2.79	0.44
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.44
1:C:500:TYR:HB3	1:C:754:ARG:HG2	2.00	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
2:Y:106:ILE:CD1	2:Y:106:ILE:C	2.79	0.44
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.44
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.44
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.44
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.44
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
1:C:821:LEU:HA	1:C:821:LEU:HD23	1.62	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.44
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.44
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.25	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.44
1:C:500:TYR:CA	1:C:754:ARG:HB2	2.42	0.44
1:C:502:LYS:C	1:C:713:TYR:CE1	2.93	0.44
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.44
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.44
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.44
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.44
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.44
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.44
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.44
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.44
1:C:770:LEU:HD23	1:C:770:LEU:HA	1.60	0.44
1:C:799:LYS:CA	1:C:803:ASP:HB3	2.46	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.44
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.44
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.76	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.44
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.44
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.25	0.44
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.96	0.44
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.44
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.44
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
2:Y:47:LEU:HA	2:Y:47:LEU:HD23	1.65	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.44
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.44
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.44
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.44
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.48	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:101:THR:HG23	3:Z:120:GLU:OE2	2.17	0.44
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.44
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:195:LYS:CG	1:C:195:LYS:O	2.66	0.44
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.44
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.44
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.44
1:C:516:LEU:HD23	1:C:516:LEU:HA	1.62	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.44
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.44
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.44
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.44
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.44
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.44
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.44
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.44
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.44
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.44
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.44
2:Y:127:MET:SD	2:Y:130:LYS:NZ	2.77	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.44
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.76	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
3:Z:40:LEU:HA	3:Z:40:LEU:HD23	1.62	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.33	0.44
1:C:134:ASP:O	3:Z:108:HIS:ND1	2.48	0.44
1:C:161:GLN:HG3	1:C:719:ARG:CG	2.47	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:713:TYR:HD2	1:C:739:SER:HG	1.64	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	2.00	0.44
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.44
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.44
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.44
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.44
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.44
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.44
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.44
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.44
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.76	0.44
1:C:502:LYS:CG	1:C:757:THR:H	2.21	0.44
1:C:505:ILE:HD13	1:C:753:TYR:HB2	1.77	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
1:C:713:TYR:HD2	1:C:739:SER:HG	1.64	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
1:C:832:LYS:CE	2:Y:48:GLY:N	2.78	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
3:Z:105:GLU:O	3:Z:108:HIS:HB3	2.17	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.44
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.44
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.44
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.44
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.44
1:C:800:LYS:C	1:C:801:LEU:HA	2.34	0.44
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.44
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.46	0.44
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.65	0.44
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.44
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.44
1:C:257:ILE:O	1:C:257:ILE:CG1	2.50	0.44
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.44
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.44
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.44
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.44
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.44
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.44
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.44
1:C:660:LEU:HA	1:C:660:LEU:HD23	1.63	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.60	0.44
1:C:57:THR:HG22	1:C:68:THR:HG22	1.98	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.44
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.44
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.44
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.44
1:C:229:TYR:CG	1:C:284:ILE:CD1	3.00	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.44
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.44
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.44
2:Y:43:ILE:CG1	2:Y:44:SER:N	2.73	0.44
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.01	0.44
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.44
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.44
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.44
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.44
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.44
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.44
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44
1:C:142:GLY:C	1:C:774:ARG:HE	2.25	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.44
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.44
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.44
1:C:489:ASN:CG	1:C:514:MET:HE2	2.34	0.44
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.44
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.44
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.44
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.76	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.44
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.44
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.44
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.44
1:C:501:LYS:HG2	1:C:760:VAL:CG1	2.47	0.44
1:C:534:GLU:OE1	1:C:598:ASN:ND2	2.50	0.44
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.44
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:137:ILE:CG1	1:C:138:ALA:N	2.78	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.44
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.44
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.44
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.64	0.44
1:C:507:TRP:HH2	1:C:706:GLY:N	2.15	0.44
1:C:778:LEU:HA	1:C:778:LEU:HD23	1.63	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.44
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.44
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.44
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.44
1:C:516:LEU:HB3	1:C:519:CYS:HG	1.82	0.44
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.44
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.73	0.44
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.44
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:148:ILE:O	1:C:148:ILE:HG12	2.13	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.18	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.44
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.44
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.44
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.44
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.81	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.44
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.44
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.44
3:Z:128:LEU:HD23	3:Z:128:LEU:HA	1.60	0.44
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.44
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:502:LYS:HB2	1:C:754:ARG:NH2	2.32	0.44
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.44
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.44
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.44
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.44
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:152:LEU:HA	1:C:152:LEU:HD23	1.61	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:267:LEU:HD11	1:C:435:PHE:CD2	2.49	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.50	0.44
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.44
1:C:613:SER:HG	1:C:618:VAL:HG23	1.77	0.44
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.44
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.44
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.44
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:137:ILE:CG1	1:C:138:ALA:N	2.78	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.44
1:C:821:LEU:HA	1:C:821:LEU:HD23	1.62	0.44
2:Y:117:GLY:C	3:Z:20:PHE:CE1	2.95	0.44
2:Y:118:ASP:N	3:Z:20:PHE:CE1	2.85	0.44
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.44
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:494:ILE:CA	1:C:754:ARG:HD2	2.45	0.44
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.44
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.63	0.44
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.44
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:505:ILE:HA	1:C:710:ARG:C	2.43	0.44
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.44
1:C:800:LYS:CB	1:C:803:ASP:OD2	2.65	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.44
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.44
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.44
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:267:LEU:HD11	1:C:435:PHE:CD2	2.49	0.44
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.44
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.44
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:137:ILE:CG1	1:C:138:ALA:N	2.78	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:267:LEU:HD11	1:C:435:PHE:CD2	2.49	0.44
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.44
1:C:613:SER:HG	1:C:618:VAL:HG23	1.77	0.44
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:144:ARG:NH1	1:C:720:TYR:CE1	2.85	0.44
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.18	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:137:ILE:CG1	1:C:138:ALA:N	2.78	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.44
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.62	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.44
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.44
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.44
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.44
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.44
1:C:113:TYR:CE2	1:C:151:HIS:N	2.85	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.44
1:C:496:GLU:HA	1:C:710:ARG:HH22	1.83	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:137:ILE:CG1	1:C:138:ALA:N	2.78	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.44
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.44
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:504:GLY:N	1:C:760:VAL:C	2.43	0.44
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.44
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.44
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:137:ILE:CG1	1:C:138:ALA:N	2.78	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.44
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.44
1:C:821:LEU:HA	1:C:821:LEU:HD23	1.62	0.44
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:137:ILE:CG1	1:C:138:ALA:N	2.78	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.44
1:C:498:GLU:HA	1:C:756:GLY:N	2.32	0.44
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.44
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.44
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.44
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.44
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	2.00	0.44
1:C:254:THR:CG2	3:Z:105:GLU:N	2.71	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
2:Y:117:GLY:HA3	3:Z:20:PHE:CZ	2.52	0.44
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.29	0.44
1:C:681:LEU:HD23	1:C:681:LEU:HA	1.62	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.44
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.44
1:C:700:ILE:C	1:C:703:CYS:HG	2.03	0.44
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:379:GLU:CD	1:C:379:GLU:N	2.73	0.44
1:C:453:ASN:OD1	3:Z:95:ARG:HD2	2.17	0.44
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.44
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.44
2:Y:138:LYS:NZ	3:Z:122:VAL:CG1	2.79	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.44
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.44
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.44
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.59	0.44
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.44
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.81	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	2.00	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.44
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.44
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.44
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.44
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.44
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.44
1:C:275:GLN:HB2	1:C:314:GLN:NE2	2.29	0.44
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.44
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.44
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.44
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.62	0.44
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.44
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.44
1:C:801:LEU:HD23	1:C:801:LEU:HA	1.67	0.44
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.44
2:Y:67:LEU:HD23	2:Y:67:LEU:HA	1.68	0.44
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:HE2	1:C:248:ARG:CD	2.21	0.44
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.44
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.44
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.25	0.44
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.44
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.44
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.44
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	2.00	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:505:ILE:HG22	1:C:761:PHE:HD1	1.81	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.44
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.03	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:503:GLU:C	1:C:713:TYR:CZ	2.96	0.44
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.44
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.44
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.44
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.44
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.46	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.76	0.44
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.96	0.44
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.44
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.44
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.44
1:C:467:PHE:CD2	1:C:468:ASP:HB2	2.46	0.44
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.44
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.44
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.44
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.44
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.95	0.44
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.44
1:C:364:LYS:HG2	1:C:365:GLN:N	2.31	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.44
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:180:ALA:CB	1:C:670:CYS:HG	2.25	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.44
1:C:713:TYR:HD2	1:C:739:SER:HG	1.61	0.44
1:C:791:GLY:O	1:C:794:ILE:HG13	2.16	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.44
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.44
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
1:C:799:LYS:O	1:C:801:LEU:N	2.51	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.44
1:C:796:LYS:NZ	3:Z:128:LEU:CD2	2.67	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	2.00	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
3:Z:46:ASN:HD21	3:Z:47:GLU:HG2	1.82	0.44
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.44
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.44
1:C:723:LEU:HA	1:C:777:ARG:NH2	2.25	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
1:C:506:ALA:CB	1:C:754:ARG:HH11	2.31	0.44
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.87	0.44
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.44
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.18	0.44
1:C:243:PHE:HE2	1:C:245:LYS:CD	2.13	0.44
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.44
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.44
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.44
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.44
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.44
1:C:286:TYR:CE1	1:C:312:ILE:CD1	2.63	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.44
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.44
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.63	0.44
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.44
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.44
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.44
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.44
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.44
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.44
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.44
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.44
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.44
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.44
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.44
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.44
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.44
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.44
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.44
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.44
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.66	0.44
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.44
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.44
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.32	0.44
1:C:168:GLU:OE2	1:C:719:ARG:CD	1.64	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.44
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.44
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.44
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.44
1:C:497:GLN:OE1	1:C:761:PHE:O	2.36	0.44
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.44
1:C:762:PHE:HB3	1:C:766:VAL:HG23	1.94	0.44
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.44
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.44
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.44
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.44
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.44
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.44
2:Y:97:ASP:OD1	2:Y:100:GLU:CA	2.65	0.44
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.44
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:613:SER:HG	1:C:618:VAL:HG23	1.77	0.44
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.44
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.44
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.44
1:C:152:LEU:HA	1:C:152:LEU:HD23	1.61	0.44
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.44
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.44
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.44
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.44
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.44
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.44
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.44
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.44
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.44
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.44
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
1:C:503:GLU:CA	1:C:757:THR:H	2.30	0.44
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.44
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.44
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.44
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.44
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.44
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.44
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.44
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.44
2:Y:43:ILE:CG1	2:Y:44:SER:N	2.73	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.44
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.44
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.44
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.44
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.44
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.44
2:Y:123:ASP:HA	2:Y:126:ARG:HE	1.81	0.44
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.44
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.44
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
1:C:743:LEU:HA	1:C:743:LEU:HD23	1.63	0.44
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.44
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.44
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.44
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.44
1:C:285:PHE:HE2	1:C:312:ILE:CG1	2.17	0.44
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.44
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.44
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.44
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.44
1:C:723:LEU:CG	1:C:777:ARG:NE	2.61	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.44
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.44
1:C:500:TYR:HA	1:C:761:PHE:CG	2.52	0.44
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.44
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.44
2:Y:43:ILE:CG1	2:Y:44:SER:N	2.73	0.44
2:Y:117:GLY:HA2	3:Z:20:PHE:CZ	2.53	0.44
2:Y:117:GLY:O	3:Z:24:ARG:N	2.49	0.44
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.44
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.44
1:C:180:ALA:CB	1:C:670:CYS:HG	2.26	0.44
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.44
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.44
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.44
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.44
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.44
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.44
1:C:140:TYR:CD2	1:C:153:PHE:C	2.95	0.44
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.44
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.44
1:C:583:TYR:HE1	1:C:584:ALA:CB	2.26	0.44
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.44
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.98	0.44
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.44
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.44
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.44
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.44
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.44
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.44
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.44
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.44
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:505:ILE:HG12	1:C:754:ARG:HG3	1.45	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.44
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.44
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.44
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.44
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.44
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.44
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.44
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.44
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.44
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.44
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.44
1:C:497:GLN:CB	1:C:754:ARG:CZ	2.57	0.44
1:C:503:GLU:C	1:C:760:VAL:O	2.61	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.25	0.44
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.44
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.44
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.16	0.44
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.44
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.25	0.44
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.44
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.44
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.44
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.44
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.44
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.01	0.44
1:C:7:ASP:CB	3:Z:115:GLU:N	2.81	0.44
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:134:ASP:CA	3:Z:108:HIS:ND1	2.81	0.44
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.44
1:C:256:LYS:CB	3:Z:95:ARG:HH22	2.31	0.44
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.44
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.44
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.44
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.44
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.44
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.44
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.44
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.44
1:C:681:LEU:HD23	1:C:681:LEU:HA	1.61	0.44
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.44
2:Y:67:LEU:HD23	2:Y:67:LEU:HA	1.68	0.44
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.44
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.44
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.44
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.44
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.44
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.44
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.44
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.44
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.44
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.44
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.44
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.44
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.44
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.44
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.67	0.44
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.44
2:Y:117:GLY:O	3:Z:24:ARG:N	2.49	0.44
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.44
3:Z:122:VAL:HA	3:Z:125:ILE:HD13	1.96	0.44
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.25	0.44
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.44
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.44
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.44
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.44
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.44
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.44
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.44
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.44
1:C:337:ILE:CD1	1:C:337:ILE:C	2.90	0.44
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.44
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.62	0.44
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.44
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.44
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.44
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.44
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.44
1:C:265:TYR:CE2	1:C:266:LEU:CG	3.00	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
2:Y:117:GLY:HA2	3:Z:20:PHE:CZ	2.53	0.44
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.44
1:C:13:LEU:HD12	1:C:131:ILE:CD1	2.40	0.44
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.44
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.44
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.44
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.44
1:C:394:LEU:C	1:C:396:LYS:N	2.73	0.44
1:C:533:LEU:HD23	1:C:533:LEU:HA	1.63	0.44
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.44
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.44
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.44
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.44
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.44
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.44
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.44
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.44
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.44
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.44

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.44
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.44
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.44
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.65	0.44
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.44
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.44
1:C:800:LYS:NZ	2:Y:96:PHE:HA	2.33	0.44
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.44
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.44
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.44
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.44
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.44
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.44
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.44
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.44
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.44
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.44
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.44
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.44
1:C:506:ALA:O	1:C:507:TRP:HB2	2.04	0.44
1:C:543:ASP:CG	1:C:544:ASP:H	2.25	0.44
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.44
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.44
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.44
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.44
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.44
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.44
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.43
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.43
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.43
1:C:220:ILE:CG1	1:C:221:GLN:N	2.75	0.43
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.43
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:502:LYS:HA	1:C:757:THR:CG2	2.44	0.43
1:C:533:LEU:HD23	1:C:533:LEU:HA	1.63	0.43
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.43
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
2:Y:17:ILE:CG1	2:Y:18:GLN:H	2.19	0.43
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.43
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.43
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.43
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.43
1:C:237:ASN:HB2	1:C:240:SER:HG	1.79	0.43
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.43
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.43
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.43
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.43
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.43
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.43
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.43
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.43
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.43
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:490:HIS:HA	1:C:494:ILE:CG2	2.46	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:506:ALA:HB2	1:C:754:ARG:HA	2.00	0.43
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.43
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.43
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.43
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.43
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.43
1:C:798:TYR:O	1:C:802:GLN:HB2	2.18	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.43
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.43
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.43
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.43
1:C:220:ILE:CG1	1:C:221:GLN:N	2.75	0.43
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.43
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:533:LEU:HD23	1:C:533:LEU:HA	1.63	0.43
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.43
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.43
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.43
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.43
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:755:LEU:HB3	1:C:756:GLY:H	1.47	0.43
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.43
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.43
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.43
2:Y:86:GLU:CG	2:Y:149:LYS:HE2	2.41	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.43
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.83	0.43
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:496:GLU:HA	1:C:710:ARG:HH22	1.83	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.43
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.43
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.43
2:Y:132:ALA:HA	2:Y:133:PRO:HD2	1.82	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.43
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.43
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.43
1:C:220:ILE:CG1	1:C:221:GLN:N	2.75	0.43
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.43
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:533:LEU:HD23	1:C:533:LEU:HA	1.63	0.43
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.43
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.43
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.43
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:496:GLU:HA	1:C:710:ARG:HH22	1.83	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.83	0.43
1:C:773:MET:O	1:C:776:GLU:CB	2.63	0.43
2:Y:85:SER:HG	2:Y:88:THR:N	2.13	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.43
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.43
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
2:Y:93:PHE:C	2:Y:95:MET:N	2.74	0.43
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.43
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.43
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.43
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.43
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.43
1:C:220:ILE:CG1	1:C:221:GLN:N	2.75	0.43
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.43
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:533:LEU:HD23	1:C:533:LEU:HA	1.63	0.43
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.43
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.43
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.81	0.43
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.43
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.43
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:500:TYR:C	1:C:761:PHE:O	2.57	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.43
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.43
1:C:773:MET:HA	1:C:776:GLU:HB2	2.00	0.43
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.43
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.43
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.43
1:C:220:ILE:CG1	1:C:221:GLN:N	2.75	0.43
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.43
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:533:LEU:HD23	1:C:533:LEU:HA	1.63	0.43
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.43
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.43
1:C:800:LYS:O	1:C:804:GLN:HB3	2.18	0.43
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.43
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.43
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.43
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.43
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.43
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.43
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.43
1:C:220:ILE:CG1	1:C:221:GLN:N	2.75	0.43
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.43
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:533:LEU:HD23	1:C:533:LEU:HA	1.63	0.43
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.43
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.43
2:Y:25:SER:HB3	2:Y:31:ARG:HH12	1.81	0.43
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.43
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.43
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.43
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.43
1:C:220:ILE:CG1	1:C:221:GLN:N	2.75	0.43
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.43
1:C:364:LYS:CG	1:C:365:GLN:H	2.30	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:533:LEU:HD23	1:C:533:LEU:HA	1.63	0.43
1:C:643:GLN:HG2	1:C:644:THR:O	2.17	0.43
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.43
1:C:717:LYS:NZ	1:C:738:VAL:CB	2.67	0.43
1:C:756:GLY:HA3	1:C:759:LYS:O	2.16	0.43
1:C:783:SER:OG	3:Z:45:ARG:HD3	2.17	0.43
2:Y:117:GLY:HA2	3:Z:20:PHE:CZ	2.53	0.43
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:89:ALA:HA	1:C:700:ILE:CG2	2.47	0.43
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.43
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.25	0.43
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
1:C:796:LYS:NZ	3:Z:128:LEU:CD2	2.67	0.43
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.43
1:C:190:ILE:HG13	1:C:191:MET:HG2	2.00	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.43
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.51	0.43
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.62	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.43
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.43
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.43
1:C:701:ARG:CG	1:C:705:LYS:CE	2.95	0.43
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.01	0.43
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.43
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.51	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.43
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.43
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.43
2:Y:132:ALA:HA	2:Y:133:PRO:HD2	1.82	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.43
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.43
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
2:Y:99:GLN:O	3:Z:125:ILE:HD13	2.18	0.43
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.01	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.43
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.43
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.64	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.43
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.43
2:Y:98:GLU:CG	2:Y:99:GLN:H	2.08	0.43
2:Y:117:GLY:HA2	3:Z:20:PHE:CZ	2.53	0.43
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.43
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.43
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.43
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.43
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.26	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.51	0.43
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.43
2:Y:117:GLY:HA2	3:Z:20:PHE:HZ	1.75	0.43
2:Y:127:MET:N	2:Y:130:LYS:HE2	2.31	0.43
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.43
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.00	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.43
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.43
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.43
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.43
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.43
1:C:653:LEU:HA	1:C:653:LEU:HD23	1.64	0.43
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:111:LEU:HD23	1:C:111:LEU:HA	1.61	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.43
1:C:681:LEU:HD23	1:C:681:LEU:HA	1.62	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.51	0.43
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.43
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.43
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.43
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.43
1:C:267:LEU:O	1:C:269:LYS:N	2.49	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.26	0.43
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.70	0.43
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.43
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.43
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.01	0.43
1:C:144:ARG:NH1	1:C:770:LEU:HA	2.33	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.43
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.62	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.51	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.43
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:120:CYS:SG	1:C:668:VAL:CG1	2.91	0.43
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.43
1:C:285:PHE:HD1	1:C:311:PHE:CZ	2.11	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:500:TYR:CD1	1:C:709:SER:N	2.80	0.43
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.84	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.43
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.43
1:C:129:LEU:HD13	1:C:129:LEU:N	2.28	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.43
1:C:113:TYR:HD2	1:C:150:PRO:CA	2.29	0.43
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.43
1:C:446:LEU:HA	1:C:446:LEU:HD23	1.70	0.43
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.64	0.43
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.51	0.43
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.43
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.43
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.43
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.43
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:510:ILE:CD1	1:C:512:PHE:CE1	2.99	0.43
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.83	0.43
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.43
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.43
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.43
1:C:762:PHE:HB3	1:C:766:VAL:HG23	1.94	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.43
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:504:GLY:O	1:C:767:LEU:CD1	2.46	0.43
1:C:510:ILE:CD1	1:C:512:PHE:CE1	2.99	0.43
2:Y:108:TYR:CZ	3:Z:123:ASP:CG	2.92	0.43
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:510:ILE:CD1	1:C:512:PHE:CE1	2.99	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.43
1:C:152:LEU:HA	1:C:152:LEU:HD23	1.61	0.43
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.43
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.83	0.43
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.43
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.43
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.43
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.43
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.43
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.43
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.43
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.43
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.43
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.43
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.43
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.43
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.96	0.43
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
2:Y:20:MET:HE2	2:Y:73:LEU:HD21	1.96	0.43
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.43
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.65	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.43
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.43
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:510:ILE:CD1	1:C:512:PHE:CE1	2.99	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.43
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.43
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.43
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.43
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.43
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.43
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:510:ILE:CD1	1:C:512:PHE:CE1	2.99	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
1:C:825:GLN:OE1	2:Y:59:MET:SD	2.75	0.43
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.43
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.43
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
1:C:12:TYR:O	1:C:12:TYR:CE1	2.53	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:510:ILE:CD1	1:C:512:PHE:CE1	2.99	0.43
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.43
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:104:LEU:HD23	2:Y:104:LEU:HA	1.60	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.43
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.43
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.43
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.43
1:C:111:LEU:HD23	1:C:111:LEU:HA	1.61	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:HE2	1:C:248:ARG:CD	2.21	0.43
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.43
2:Y:98:GLU:CG	2:Y:99:GLN:H	2.08	0.43
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.43
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:749:ASP:OD1	1:C:751:ALA:N	2.41	0.43
1:C:811:ILE:HA	1:C:814:ASN:CG	2.43	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.43
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.43
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.01	0.43
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.43
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.43
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.43
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.43
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.43
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.43
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
3:Z:131:LEU:HD23	3:Z:131:LEU:HA	1.61	0.43
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:500:TYR:N	1:C:761:PHE:CZ	2.85	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:671:ILE:O	1:C:671:ILE:CD1	2.66	0.43
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.43
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.66	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.43
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.43
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.43
1:C:501:LYS:CA	1:C:754:ARG:H	2.30	0.43
1:C:503:GLU:CB	1:C:710:ARG:CA	2.96	0.43
1:C:503:GLU:CB	1:C:760:VAL:C	2.62	0.43
1:C:503:GLU:HB2	1:C:710:ARG:HA	2.00	0.43
1:C:505:ILE:CD1	1:C:767:LEU:CD1	2.95	0.43
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.43
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.43
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.43
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.43
1:C:711:LEU:HA	1:C:711:LEU:HD23	1.68	0.43
1:C:793:LEU:CB	2:Y:98:GLU:HG3	2.48	0.43
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.47	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.43
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.43
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.43
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.97	0.43
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.43
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.43
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.43
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.43
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.43
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.43
1:C:313:ASN:ND2	1:C:313:ASN:N	2.62	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.43
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.43
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.43
2:Y:93:PHE:CG	2:Y:141:TYR:CB	2.99	0.43
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.43
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.43
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.43
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.43
1:C:501:LYS:N	1:C:754:ARG:C	2.76	0.43
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.43
3:Z:134:ASP:OD1	3:Z:134:ASP:N	2.48	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.43
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.43
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.25	0.43
1:C:826:TRP:HZ2	2:Y:72:PHE:CZ	2.29	0.43
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.58	0.43
1:C:195:LYS:CG	1:C:195:LYS:O	2.66	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.43
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.43
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.43
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.82	0.43
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.43
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.66	0.43
1:C:563:THR:O	1:C:564:LYS:C	2.60	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.43
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.43
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.46	0.43
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.43
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.43
1:C:703:CYS:HA	1:C:708:PRO:HG2	2.00	0.43
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.43
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.43
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.43
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.43
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.43
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
1:C:800:LYS:O	1:C:801:LEU:C	2.62	0.43
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.43
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.43
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.43
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.43
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.43
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.43
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.43
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.43
1:C:796:LYS:NZ	3:Z:128:LEU:CD2	2.67	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.43
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.43
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.43
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.43
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.43
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.43
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.43
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.43
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.43
1:C:129:LEU:CD1	1:C:129:LEU:N	2.61	0.43
1:C:148:ILE:CB	1:C:149:PRO:HD2	2.42	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.43
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.43
1:C:762:PHE:HB3	1:C:766:VAL:HG23	1.94	0.43
2:Y:20:MET:HE3	2:Y:73:LEU:HD21	1.98	0.43
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.43
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.43
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.28	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.43
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.43
2:Y:35:VAL:HG23	2:Y:67:LEU:HB2	1.91	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.43
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.43
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.43
1:C:799:LYS:HE3	1:C:806:ILE:CG2	2.43	0.43
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.43
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.43
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.52	0.43
1:C:767:LEU:HA	1:C:767:LEU:HD23	1.63	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.43
1:C:164:VAL:N	1:C:774:ARG:HE	2.00	0.43
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.43
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.43
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.43
1:C:778:LEU:HA	1:C:778:LEU:HD23	1.63	0.43
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.83	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.43
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.43
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.43
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.43
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.43
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.43
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.43
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.43
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.43
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.43
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.43
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.43
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.43
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.43
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.43
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.43
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.43
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.43
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.43
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.43
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.43
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.43
1:C:755:LEU:HB3	1:C:756:GLY:H	1.47	0.43
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.43
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.43
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.36	0.43
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.43
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.43
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:617:LEU:HD23	1:C:617:LEU:HA	1.61	0.43
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.43
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.43
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.43
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.43
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.43
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.43
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.43
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.43
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.43
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.43
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.43
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.43
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
1:C:802:GLN:HE21	3:Z:17:LEU:HB2	1.78	0.43
3:Z:69:LEU:HD23	3:Z:69:LEU:HA	1.66	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.43
1:C:358:MET:CE	1:C:426:LEU:HB3	2.33	0.43
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.43
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.43
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.81	0.43
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.43
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.43
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.43
1:C:722:ILE:CG1	1:C:722:ILE:O	2.65	0.43
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.43
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.43
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.43
1:C:713:TYR:HD2	1:C:739:SER:HG	1.65	0.43
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.43
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.43
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.43
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.43
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.43
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.18	0.43
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.43
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.43
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.43
1:C:285:PHE:CE1	1:C:311:PHE:HE1	2.17	0.43
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.43
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
2:Y:106:ILE:CA	2:Y:109:ILE:HD11	2.37	0.43
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.43
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.43
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:379:GLU:CD	1:C:379:GLU:N	2.73	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.51	0.43
1:C:801:LEU:HD12	3:Z:17:LEU:CD2	2.35	0.43
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.43
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:134:ASP:OD1	1:C:134:ASP:N	2.49	0.43
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:190:ILE:HG13	1:C:191:MET:HG2	2.00	0.43
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.43
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.43
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.43
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.47	0.43
2:Y:112:LEU:HD23	2:Y:112:LEU:HA	1.63	0.43
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.43
1:C:352:THR:HG23	1:C:434:MET:CE	2.44	0.43
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:711:LEU:HA	1:C:711:LEU:HD23	1.68	0.43
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.98	0.43
2:Y:112:LEU:HD23	2:Y:112:LEU:HA	1.63	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
1:C:352:THR:HG23	1:C:434:MET:CE	2.44	0.43
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
1:C:796:LYS:HD3	2:Y:98:GLU:HA	1.99	0.43
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.43
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.43
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.43
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.43
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.43
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.43
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.43
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.43
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.43
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.43
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.43
2:Y:104:LEU:HD23	2:Y:104:LEU:HA	1.60	0.43
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.43
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.43
3:Z:59:GLY:O	3:Z:60:GLU:C	2.59	0.43
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.43
1:C:111:LEU:HD23	1:C:111:LEU:HA	1.61	0.43
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:533:LEU:HD23	1:C:533:LEU:HA	1.62	0.43
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.43
2:Y:85:SER:HG	2:Y:88:THR:N	2.10	0.43
2:Y:99:GLN:O	3:Z:127:LYS:CE	2.67	0.43
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.03	0.43
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:111:LEU:HD23	1:C:111:LEU:HA	1.61	0.43
1:C:134:ASP:OD1	1:C:134:ASP:N	2.49	0.43
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.43
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.43
1:C:502:LYS:CD	1:C:757:THR:HG23	2.29	0.43
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:352:THR:HG23	1:C:434:MET:CE	2.44	0.43
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:746:LEU:HD23	1:C:746:LEU:HA	1.64	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.43
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.43
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:499:GLU:CG	1:C:710:ARG:NH1	2.80	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.43
1:C:190:ILE:C	1:C:190:ILE:HD12	2.43	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.43
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.44	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.43
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
2:Y:104:LEU:HD23	2:Y:104:LEU:HA	1.60	0.43
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.43
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.43
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.43
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.43
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.43
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.25	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
2:Y:85:SER:O	2:Y:89:ILE:HD12	2.17	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:177:GLU:HG2	1:C:672:ILE:HG21	1.78	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.43
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.63	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.36	0.43
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.43
2:Y:20:MET:HE3	2:Y:73:LEU:HD21	1.98	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.43
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.43
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.43
2:Y:44:SER:OG	2:Y:45:GLU:N	2.50	0.43
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.43
1:C:352:THR:HG23	1:C:434:MET:CE	2.44	0.43
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.43
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.43
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.43
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.43
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.43
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.43
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.43
1:C:660:LEU:HA	1:C:660:LEU:HD23	1.63	0.43
1:C:681:LEU:HD23	1:C:681:LEU:HA	1.61	0.43
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.43
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.43
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.43
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.47	0.43
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.43
2:Y:127:MET:SD	2:Y:130:LYS:NZ	2.76	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.43
1:C:162:ASN:HA	1:C:771:GLU:HA	1.28	0.43
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.43
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.43
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.43
3:Z:128:LEU:C	3:Z:130:ASP:H	2.25	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.43
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.43
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.43
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
3:Z:131:LEU:HD23	3:Z:131:LEU:HA	1.61	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.43
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.43
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.43
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.43
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:507:TRP:HB2	1:C:707:PHE:CD2	2.48	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.43
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.43
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:551:LEU:HA	1:C:551:LEU:HD23	1.63	0.43
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.43
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.43
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
3:Z:120:GLU:CA	3:Z:123:ASP:OD1	2.60	0.43
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.43
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.43
1:C:503:GLU:OE2	1:C:743:LEU:CD1	2.66	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.43
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
1:C:785:PHE:HE1	3:Z:148:VAL:HG21	1.75	0.43
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.78	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.43
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.43
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.46	0.43
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.43
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.43
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.43
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:111:LEU:HD23	1:C:111:LEU:HA	1.61	0.43
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:350:LYS:HZ1	1:C:386:LEU:HD12	1.82	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:297:ASN:ND2	1:C:297:ASN:N	2.61	0.43
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.43
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.43
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.44	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.27	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:503:GLU:HB3	1:C:756:GLY:HA3	1.48	0.43
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.43
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.43
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.43
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.43
1:C:502:LYS:CG	1:C:713:TYR:CE1	3.01	0.43
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.51	0.43
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.43
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.43
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.51	0.43
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.43
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.43
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.43
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.43
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.43
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.63	0.43
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.43
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.43
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.03	0.43
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.43
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.43
1:C:7:ASP:HB3	3:Z:115:GLU:N	2.33	0.43
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
1:C:712:ILE:CD1	1:C:715:GLU:CB	2.81	0.43
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:505:ILE:C	1:C:754:ARG:NH2	2.39	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.43
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.43
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:507:TRP:N	1:C:754:ARG:NH1	2.66	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.43
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.43
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.51	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.43
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.43
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:355:ILE:C	1:C:357:HIS:H	2.26	0.43
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.43
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.43
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.52	0.43
1:C:653:LEU:HA	1:C:653:LEU:HD23	1.64	0.43
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.43
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.43
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.43
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.43
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.43
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.43
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:147:GLU:OE2	1:C:775:ASP:OD2	0.54	0.43
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.43
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.63	0.43
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.43
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.43
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.43
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.43
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.43
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.43
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.96	0.43
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
1:C:713:TYR:HD2	1:C:739:SER:HG	1.66	0.43
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.43
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:301:LEU:HD23	1:C:301:LEU:HA	1.62	0.43
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.43
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:105:ASN:CB	2:Y:108:TYR:CE1	2.83	0.43
2:Y:138:LYS:NZ	3:Z:126:ILE:CD1	2.58	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.44	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.43
1:C:478:ASN:ND2	1:C:582:HIS:HD1	1.76	0.43
1:C:502:LYS:HE2	1:C:758:THR:C	2.40	0.43
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.51	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.83	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.43
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.43
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.54	0.43
1:C:527:MET:O	1:C:532:ILE:CD1	2.64	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.43
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.45	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:129:LEU:CD1	1:C:129:LEU:C	2.76	0.43
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.18	0.43
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.43
2:Y:47:LEU:HA	2:Y:47:LEU:HD23	1.64	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
2:Y:117:GLY:O	3:Z:24:ARG:N	2.49	0.43
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.43
1:C:119:PHE:CE2	1:C:667:PHE:N	2.83	0.43
1:C:394:LEU:O	1:C:396:LYS:N	2.50	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.43
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.43
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.43
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.43
3:Z:131:LEU:HD23	3:Z:131:LEU:HA	1.61	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.43
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.43
1:C:164:VAL:O	1:C:722:ILE:CG1	2.66	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:257:ILE:CG1	3:Z:105:GLU:CD	2.82	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.83	0.43
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.43
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.43
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.43
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.43
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.66	0.43
2:Y:16:GLN:OE1	2:Y:16:GLN:N	2.40	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.43
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.43
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.83	0.43
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.13	0.43
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.43
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.43
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.51	0.43
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.43
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.83	0.43
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.43
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.43
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.43
1:C:217:ASP:N	1:C:217:ASP:OD1	2.48	0.43
1:C:246:PHE:HA	1:C:459:LEU:HD23	1.99	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.43
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.47	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.83	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.43
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
1:C:811:ILE:HA	1:C:814:ASN:CG	2.43	0.43
2:Y:43:ILE:CG1	2:Y:44:SER:N	2.73	0.43
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.43
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.83	0.43
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.43
3:Z:131:LEU:HD23	3:Z:131:LEU:HA	1.61	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.83	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
1:C:819:LEU:HD23	1:C:819:LEU:HA	1.62	0.43
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.43
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.43
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.43
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.43
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
3:Z:79:GLU:N	3:Z:79:GLU:CD	2.73	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:529:ILE:C	1:C:529:ILE:CD1	2.92	0.43
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.64	0.43
1:C:711:LEU:HA	1:C:711:LEU:HD23	1.68	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.43
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.43
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.43
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.58	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.43
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.43
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.43
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.43
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.44	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.69	0.43
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.43
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.43
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.43
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.43
1:C:13:LEU:HD12	1:C:131:ILE:CD1	2.39	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.07	0.43
2:Y:68:ASN:C	2:Y:70:THR:N	2.73	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.43
3:Z:128:LEU:HD23	3:Z:128:LEU:HA	1.60	0.43
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.43
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.43
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.43
1:C:195:LYS:CG	1:C:195:LYS:O	2.66	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.26	0.43
1:C:502:LYS:HG3	1:C:756:GLY:O	2.08	0.43
1:C:503:GLU:HA	1:C:759:LYS:HB3	1.99	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
1:C:770:LEU:HD23	1:C:770:LEU:HA	1.60	0.43
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.43
3:Z:37:CYS:CB	3:Z:75:LEU:HD13	2.48	0.43
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.33	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.43
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.43
1:C:195:LYS:CG	1:C:195:LYS:O	2.66	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.26	0.43
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.43
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.43
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:529:ILE:C	1:C:529:ILE:CD1	2.92	0.43
1:C:533:LEU:HA	1:C:533:LEU:HD23	1.63	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.43
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.43
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.73	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:190:ILE:HG13	1:C:191:MET:HG2	2.00	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.43
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.43
1:C:490:HIS:HD2	1:C:495:LEU:CG	2.19	0.43
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.43
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.43
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.43
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.43
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.43
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.43
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.43
3:Z:128:LEU:C	3:Z:130:ASP:H	2.25	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.43
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.43
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.43
1:C:195:LYS:CG	1:C:195:LYS:O	2.66	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.26	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.43
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.81	0.43
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.83	0.43
1:C:516:LEU:HD23	1:C:516:LEU:HA	1.62	0.43
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.43
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.43
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.97	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.43
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.43
1:C:190:ILE:HG13	1:C:191:MET:HG2	2.00	0.43
1:C:352:THR:HG23	1:C:434:MET:CE	2.44	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.43
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.43
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.97	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.43
1:C:246:PHE:HE2	1:C:248:ARG:CD	2.22	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:529:ILE:C	1:C:529:ILE:CD1	2.92	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:129:LEU:HD13	1:C:129:LEU:H	1.76	0.43
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.65	0.43
1:C:660:LEU:HA	1:C:660:LEU:HD23	1.63	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.51	0.43
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.43
1:C:190:ILE:HG13	1:C:191:MET:HG2	2.00	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.43
1:C:529:ILE:C	1:C:529:ILE:CD1	2.92	0.43
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.43
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.62	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
1:C:811:ILE:HA	1:C:814:ASN:CG	2.43	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.43
1:C:56:ILE:O	1:C:68:THR:HA	2.17	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.43
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.00	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.43
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.43
1:C:195:LYS:CG	1:C:195:LYS:O	2.66	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.26	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.43
3:Z:134:ASP:OD1	3:Z:134:ASP:N	2.49	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.43
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.43
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.43
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.74	0.43
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
3:Z:117:LEU:HD13	3:Z:117:LEU:N	2.28	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:79:PRO:C	1:C:81:LYS:H	2.25	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.43
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.47	0.43
2:Y:117:GLY:HA2	3:Z:20:PHE:CZ	2.53	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:533:LEU:HA	1:C:533:LEU:HD23	1.63	0.43
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.43
1:C:819:LEU:HD23	1:C:819:LEU:HA	1.62	0.43
2:Y:52:ASP:OD1	2:Y:55:GLU:HG3	2.14	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.43
1:C:505:ILE:HD13	1:C:761:PHE:CD1	2.53	0.43
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.43
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.43
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.43
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.43
2:Y:30:ASP:O	2:Y:32:ASP:N	2.50	0.43
2:Y:98:GLU:CG	2:Y:99:GLN:N	2.65	0.43
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.62	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:79:GLU:N	3:Z:79:GLU:CD	2.73	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:250:HIS:ND1	1:C:452:ARG:HD3	2.10	0.43
1:C:253:PRO:O	1:C:782:ILE:CD1	2.61	0.43
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.43
1:C:449:LYS:C	3:Z:100:PHE:HB2	2.26	0.43
1:C:449:LYS:NZ	3:Z:140:LYS:NZ	2.58	0.43
1:C:449:LYS:HZ1	3:Z:140:LYS:HE2	1.82	0.43
1:C:450:ALA:N	3:Z:100:PHE:CG	2.84	0.43
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.43
3:Z:110:LEU:C	3:Z:117:LEU:HD11	2.34	0.43
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.43
1:C:501:LYS:HG2	1:C:716:PHE:CE1	2.53	0.43
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.43
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.43
1:C:826:TRP:HZ2	2:Y:72:PHE:CZ	2.29	0.43
2:Y:27:ILE:HA	2:Y:43:ILE:HG21	1.99	0.43
3:Z:33:LEU:CD2	3:Z:68:PHE:CD1	3.00	0.43
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.43
1:C:501:LYS:HE2	1:C:740:GLU:OE1	2.19	0.43
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.43
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.43
3:Z:113:LEU:HA	3:Z:113:LEU:HD23	1.67	0.43
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.42	0.43
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.43
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.43
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.43
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.43
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.43
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:60:ILE:HD12	1:C:60:ILE:C	2.43	0.43
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.43
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.43
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.43
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.43
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.63	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.43
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.43
1:C:808:LEU:HD23	1:C:808:LEU:HA	1.61	0.43
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.43
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.43
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.43
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.43
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.10	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.43
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.43
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
1:C:805:ARG:HG3	3:Z:20:PHE:CD2	2.54	0.43
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.43
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.43
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.43
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.63	0.43
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
2:Y:104:LEU:HD13	2:Y:109:ILE:HG22	1.99	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.43
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.43
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.43
1:C:811:ILE:HA	1:C:814:ASN:CG	2.43	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.96	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.43
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.43
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.26	0.43
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.43
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.43
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.46	0.43
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.43
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.43
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.43
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.43
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.43
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.43
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.97	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.43
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.25	0.43
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.43
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:238:ASN:ND2	1:C:322:ILE:HG12	2.22	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.43
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
1:C:811:ILE:HA	1:C:814:ASN:CG	2.43	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:500:TYR:HD1	1:C:761:PHE:CB	2.23	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.44	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.96	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.43
1:C:762:PHE:HB3	1:C:766:VAL:HG23	1.94	0.43
2:Y:117:GLY:HA2	3:Z:20:PHE:CZ	2.53	0.43
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.43
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.43
1:C:13:LEU:HG	1:C:131:ILE:HD13	1.99	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
1:C:772:GLU:OE1	1:C:776:GLU:CD	2.62	0.43
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.43
1:C:9:ASP:OD1	1:C:9:ASP:N	2.48	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.43
3:Z:122:VAL:CA	3:Z:125:ILE:HD13	2.46	0.43
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.43
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.96	0.43
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.43
1:C:369:GLU:O	1:C:370:GLU:CB	2.66	0.43
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.43
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.43
1:C:610:LEU:HA	1:C:610:LEU:HD23	1.63	0.43
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.96	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.43
2:Y:20:MET:HE3	2:Y:73:LEU:HD21	1.98	0.43
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.43
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.43
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:529:ILE:C	1:C:529:ILE:CD1	2.92	0.43
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.43
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.43
3:Z:113:LEU:HA	3:Z:113:LEU:HD23	1.67	0.43
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.43
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.43
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.43
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.82	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.43
1:C:190:ILE:HG13	1:C:191:MET:HG2	2.00	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.43
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.43
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:236:ARG:HH11	1:C:465:GLU:HA	1.72	0.43
1:C:808:LEU:HD23	1:C:808:LEU:HA	1.61	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.43
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
3:Z:110:LEU:HD23	3:Z:110:LEU:HA	1.64	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.96	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.43
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.43
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.43
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
1:C:760:VAL:CG2	1:C:762:PHE:CE1	2.93	0.43
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.66	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.43
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.63	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:352:THR:HG23	1:C:434:MET:CE	2.44	0.43
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.43
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:148:ILE:O	1:C:148:ILE:HG12	2.13	0.43
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.43
1:C:365:GLN:HB2	1:C:370:GLU:HG2	2.00	0.43
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.43
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.43
1:C:552:TYR:CZ	1:C:556:MET:CB	2.74	0.43
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.43
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.43
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.00	0.43
1:C:69:VAL:HG23	1:C:69:VAL:O	2.17	0.43
1:C:355:ILE:O	1:C:357:HIS:N	2.51	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.43
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.43
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.43
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.43
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.43
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.00	0.43
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.43
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.43
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:503:GLU:OE1	1:C:758:THR:OG1	2.36	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.63	0.43
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.43
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:497:GLN:HB3	1:C:754:ARG:HE	0.97	0.43
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.43
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.43
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.43
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.43
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.63	0.43
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.43
1:C:749:ASP:C	1:C:753:TYR:HE2	2.24	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:749:ASP:C	1:C:753:TYR:HE2	2.24	0.43
1:C:819:LEU:HD23	1:C:819:LEU:HA	1.62	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.43
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.43
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.63	0.43
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.61	0.43
1:C:177:GLU:OE1	1:C:177:GLU:N	2.34	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.58	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.43
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.43
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.43
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.43
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.43
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.43
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.43
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.43
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.43
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:498:GLU:C	1:C:756:GLY:N	2.69	0.43
1:C:743:LEU:CD1	1:C:762:PHE:CE2	2.82	0.43
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.62	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.43
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:713:TYR:HD2	1:C:739:SER:HG	1.64	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.43
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.43
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.43
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.43
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.69	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.47	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.43
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.43
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.43
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
3:Z:134:ASP:OD1	3:Z:134:ASP:N	2.48	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.43
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.82	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.43
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.43
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.43
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.43
1:C:595:LEU:CD2	1:C:596:GLU:CG	2.93	0.43
1:C:770:LEU:HD23	1:C:770:LEU:HA	1.60	0.43
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.46	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.43
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.43
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.43
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.43
1:C:653:LEU:HA	1:C:653:LEU:HD23	1.64	0.43
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.43
1:C:507:TRP:CZ3	1:C:707:PHE:CD1	2.44	0.43
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.43
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.43
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.43
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.43
2:Y:138:LYS:HG2	3:Z:119:ASP:O	2.18	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.43
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.43
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
1:C:219:ILE:HD12	1:C:219:ILE:C	2.43	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:580:LEU:HA	1:C:580:LEU:HD23	1.59	0.43
1:C:703:CYS:SG	1:C:764:ALA:CB	3.07	0.43
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.43
1:C:833:VAL:HG23	1:C:834:LYS:H	1.79	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:529:ILE:C	1:C:529:ILE:CD1	2.92	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.43
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.77	0.43
2:Y:60:LEU:HD23	2:Y:60:LEU:HA	1.61	0.43
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.43
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.43
1:C:583:TYR:HE1	1:C:584:ALA:CB	2.26	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.43
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.43
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.43
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:506:ALA:HB3	1:C:751:ALA:O	2.19	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.43
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.43
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.43
1:C:832:LYS:CE	2:Y:48:GLY:N	2.78	0.43
1:C:119:PHE:CE2	1:C:667:PHE:HB2	2.52	0.43
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:529:ILE:C	1:C:529:ILE:CD1	2.92	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.51	0.43
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.43
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.43
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:496:GLU:HA	1:C:710:ARG:HH22	1.83	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:111:LEU:HD23	1:C:111:LEU:HA	1.61	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.43
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.43
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.43
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.01	0.43
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.43
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:441:ARG:O	1:C:444:LYS:HB3	2.17	0.43
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.43
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.43
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.97	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.43
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.46	0.43
1:C:193:LEU:HD21	1:C:257:ILE:HG22	1.99	0.43
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.43
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.43
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.43
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.82	0.43
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.43
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.43
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:67:LEU:HA	2:Y:67:LEU:HD23	1.68	0.43
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
1:C:749:ASP:OD1	1:C:751:ALA:N	2.42	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
3:Z:46:ASN:HA	3:Z:49:VAL:HG22	1.99	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.43
1:C:137:ILE:CG1	1:C:138:ALA:N	2.78	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.43
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.43
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	2.33	0.43
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.43
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.43
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:580:LEU:HA	1:C:580:LEU:HD23	1.59	0.43
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.43
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
3:Z:110:LEU:C	3:Z:117:LEU:HD11	2.34	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:137:ILE:CG1	1:C:138:ALA:N	2.78	0.43
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.43
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.43
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.43
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.43
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:449:LYS:NZ	3:Z:140:LYS:HE2	2.33	0.43
1:C:662:SER:C	1:C:715:GLU:HG3	2.43	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
2:Y:117:GLY:CA	3:Z:20:PHE:CA	2.95	0.43
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.00	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.43
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.43
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:137:ILE:CG1	1:C:138:ALA:N	2.78	0.43
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.63	0.43
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.43
1:C:800:LYS:HA	1:C:803:ASP:OD2	2.19	0.43
1:C:811:ILE:HA	1:C:814:ASN:CG	2.43	0.43
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.43
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.43
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.64	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.43
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
1:C:801:LEU:CB	3:Z:17:LEU:HD11	2.49	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
2:Y:47:LEU:HA	2:Y:47:LEU:HD23	1.64	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.43
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.43
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.43
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.43
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:503:GLU:CD	1:C:759:LYS:CG	2.79	0.43
1:C:735:GLY:O	1:C:738:VAL:CG2	2.61	0.43
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.61	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:176:GLY:C	1:C:670:CYS:SG	2.97	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:281:ASN:OD1	1:C:312:ILE:CG1	2.66	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.43
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.43
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.43
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.43
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.58	0.43
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.43
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.43
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.43
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.96	0.43
1:C:475:LEU:HD21	1:C:589:TYR:CE2	2.52	0.43
1:C:653:LEU:HA	1:C:653:LEU:HD23	1.64	0.43
1:C:743:LEU:HA	1:C:743:LEU:HD23	1.62	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.43
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.43
1:C:749:ASP:C	1:C:753:TYR:HE2	2.25	0.43
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.66	0.43
2:Y:101:THR:CG2	3:Z:127:LYS:CG	2.95	0.43
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.43
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.43
2:Y:67:LEU:HD23	2:Y:67:LEU:HA	1.68	0.43
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.43
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.43
1:C:297:ASN:ND2	1:C:297:ASN:N	2.61	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:498:GLU:CA	1:C:755:LEU:CA	2.97	0.43
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.43
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.43
1:C:297:ASN:ND2	1:C:297:ASN:N	2.61	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:506:ALA:HB3	1:C:762:PHE:HB3	2.00	0.43
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.43
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.43
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.43
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.43
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.43
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.43
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.43
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.43
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.43
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.44	0.43
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.43
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.43
1:C:368:ARG:HG2	1:C:369:GLU:HG2	2.00	0.43
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:379:GLU:CD	1:C:379:GLU:N	2.73	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.43
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.43
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
1:C:671:ILE:O	1:C:671:ILE:CD1	2.65	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
2:Y:98:GLU:CG	2:Y:99:GLN:H	2.08	0.43
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.43
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.43
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.43
1:C:500:TYR:HE1	1:C:707:PHE:CA	2.29	0.43
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.13	0.43
2:Y:117:GLY:HA2	3:Z:20:PHE:CZ	2.53	0.43
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.43
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.43
1:C:297:ASN:ND2	1:C:297:ASN:N	2.61	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.43
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.43
1:C:794:ILE:HD12	1:C:794:ILE:C	2.43	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:217:ASP:N	1:C:217:ASP:OD1	2.49	0.43
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.43
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.33	0.43
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.61	0.43
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.43
2:Y:43:ILE:CG1	2:Y:44:SER:N	2.73	0.43
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.43
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.43
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.43
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.43
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.43
1:C:664:HIS:N	1:C:665:PRO:HD3	2.22	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.43
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:417:ASN:O	1:C:421:ASN:ND2	2.51	0.43
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.43
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.43
1:C:267:LEU:HD23	1:C:267:LEU:HA	1.60	0.43
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.43
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.43
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.43
3:Z:33:LEU:HD23	3:Z:33:LEU:HA	1.62	0.43
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.43
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.43
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.43
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.66	0.43
2:Y:98:GLU:CG	2:Y:99:GLN:N	2.65	0.43
2:Y:148:ILE:C	2:Y:148:ILE:CD1	2.92	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:103:LEU:HA	1:C:103:LEU:HD23	1.60	0.43
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.43
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.43
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.43
1:C:799:LYS:HG2	1:C:803:ASP:HA	1.06	0.43
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.43
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.43
1:C:297:ASN:ND2	1:C:297:ASN:N	2.61	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:506:ALA:HA	1:C:752:GLU:HB3	2.00	0.43
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.43
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.43
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.00	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.43
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.43
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.43
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.43
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.43
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.43
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.54	0.43
1:C:534:GLU:CD	1:C:644:THR:HG1	2.18	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.43
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.43
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.43
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.43
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.43
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.43
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.43
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.43
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.43
1:C:505:ILE:HD13	1:C:761:PHE:CD1	2.53	0.43
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.52	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.43
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
2:Y:148:ILE:C	2:Y:148:ILE:CD1	2.92	0.43
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.43
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.43
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.43
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.43
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.43
1:C:500:TYR:HE2	1:C:707:PHE:O	1.95	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.43
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:505:ILE:CG1	1:C:506:ALA:N	2.38	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.43
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.43
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.43
1:C:137:ILE:CG1	1:C:138:ALA:N	2.78	0.43
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
2:Y:117:GLY:HA2	3:Z:20:PHE:CZ	2.53	0.43
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.43
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.43
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
1:C:7:ASP:OD1	1:C:7:ASP:N	2.48	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.43
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.43
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.43
1:C:288:ILE:HG13	1:C:289:CYS:N	2.32	0.43
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.43
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
2:Y:47:LEU:HA	2:Y:47:LEU:HD23	1.64	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.43
1:C:534:GLU:CD	1:C:644:THR:HG1	2.20	0.43
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.43
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.43
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.43
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.43
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.43
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.43
1:C:826:TRP:HZ2	2:Y:72:PHE:CZ	2.29	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.43
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.43
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.43
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.43
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.43
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.43
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
2:Y:117:GLY:HA2	3:Z:20:PHE:CZ	2.53	0.43
2:Y:117:GLY:O	3:Z:24:ARG:N	2.49	0.43
3:Z:128:LEU:HD23	3:Z:128:LEU:HA	1.60	0.43
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.43
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.43
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:499:GLU:O	1:C:759:LYS:O	2.37	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
2:Y:20:MET:HG2	2:Y:20:MET:H	1.68	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.43
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.43
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.43
1:C:798:TYR:O	1:C:801:LEU:HB2	2.19	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.43
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.43
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.43
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.43
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:753:TYR:O	1:C:754:ARG:CD	2.62	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.43
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.43
3:Z:128:LEU:C	3:Z:130:ASP:H	2.25	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.63	0.43
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.43
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.43
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.43
1:C:533:LEU:HA	1:C:533:LEU:HD23	1.62	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:572:ASN:HD22	1:C:572:ASN:HA	1.66	0.43
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.43
1:C:805:ARG:HG3	3:Z:20:PHE:CD2	2.54	0.43
2:Y:148:ILE:C	2:Y:148:ILE:CD1	2.92	0.43
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.43
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.43
1:C:380:ALA:C	1:C:383:VAL:CG2	2.82	0.43
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.43
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.43
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.43
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.43
1:C:69:VAL:O	1:C:70:LYS:C	2.58	0.43
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.43
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.43
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.95	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.43
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.43
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.43
2:Y:20:MET:HG2	2:Y:20:MET:H	1.68	0.43
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.43
3:Z:83:PHE:HZ	3:Z:87:MET:CE	2.28	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:713:TYR:HD2	1:C:739:SER:HG	1.62	0.43
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
3:Z:31:PHE:HE1	3:Z:56:HIS:O	1.95	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:86:GLU:CD	1:C:150:PRO:HG2	2.43	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.43
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:583:TYR:CD1	1:C:583:TYR:C	2.94	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.43
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.67	0.43
2:Y:20:MET:HG2	2:Y:20:MET:H	1.68	0.43
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.43
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.43
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.43
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.43
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.43
1:C:216:GLU:CG	1:C:217:ASP:N	2.78	0.43
1:C:506:ALA:HA	1:C:762:PHE:CD2	2.52	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.43
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
2:Y:101:THR:HA	3:Z:126:ILE:HG12	2.01	0.43
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.43
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.43
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.43
1:C:216:GLU:CG	1:C:217:ASP:N	2.78	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.43
1:C:801:LEU:CB	3:Z:17:LEU:HD11	2.48	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.43
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.43
1:C:533:LEU:HA	1:C:533:LEU:HD23	1.62	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:572:ASN:HD22	1:C:572:ASN:HA	1.66	0.43
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.43
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.43
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.43
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.43
1:C:134:ASP:C	3:Z:108:HIS:CE1	2.96	0.43
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.43
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.43
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.43
1:C:811:ILE:HA	1:C:814:ASN:CG	2.43	0.43
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.43
1:C:598:ASN:OD1	1:C:646:SER:OG	2.23	0.43
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.43
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.43
1:C:246:PHE:HE2	1:C:248:ARG:CD	2.21	0.43
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.43
1:C:510:ILE:CD1	1:C:512:PHE:CE1	2.99	0.43
1:C:586:ASN:HD22	1:C:586:ASN:HA	1.62	0.43
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.43
1:C:533:LEU:HA	1:C:533:LEU:HD23	1.62	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:572:ASN:HD22	1:C:572:ASN:HA	1.66	0.43
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.43
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.43
1:C:216:GLU:CG	1:C:217:ASP:N	2.78	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.62	0.43
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.43
3:Z:46:ASN:ND2	3:Z:47:GLU:HG2	2.32	0.43
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.43
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.43
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.43
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.43
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.43
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.43
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.43
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.43
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.43
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.43
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.43
1:C:595:LEU:CD2	1:C:596:GLU:CG	2.93	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.43
1:C:101:TYR:O	1:C:105:SER:OG	2.20	0.43
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.43
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.36	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:352:THR:HG23	1:C:434:MET:CE	2.45	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.43
1:C:801:LEU:HD13	3:Z:17:LEU:HD21	2.01	0.43
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.43
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.43
1:C:134:ASP:OD1	1:C:134:ASP:N	2.49	0.43
1:C:142:GLY:HA3	1:C:778:LEU:HD12	2.00	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:254:THR:HG22	3:Z:98:GLN:H	1.83	0.43
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.87	0.43
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.43
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.43
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.43
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.43
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.43
1:C:533:LEU:HA	1:C:533:LEU:HD23	1.62	0.43
1:C:543:ASP:CG	1:C:544:ASP:H	2.26	0.43
1:C:572:ASN:HD22	1:C:572:ASN:HA	1.66	0.43
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.03	0.43
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.43
1:C:216:GLU:CG	1:C:217:ASP:N	2.78	0.43
1:C:504:GLY:C	1:C:767:LEU:HG	2.44	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.43
1:C:796:LYS:HZ1	2:Y:98:GLU:HG3	1.84	0.43
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.43
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.43
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.43
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.43
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.43
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.43
2:Y:104:LEU:HD23	2:Y:104:LEU:HA	1.60	0.43
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.43
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.43
1:C:417:ASN:HA	1:C:420:VAL:CG2	2.46	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.43
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.43
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.43
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.43
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.43
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.43
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.43
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.43
1:C:238:ASN:OD1	1:C:319:VAL:HB	2.17	0.43
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.43
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.43
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.63	0.43
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.43
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.43
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.47	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.43
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.43
2:Y:106:ILE:CD1	2:Y:106:ILE:C	2.79	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.43
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.43
1:C:510:ILE:HD12	1:C:707:PHE:HE1	1.83	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
1:C:7:ASP:OD1	1:C:7:ASP:N	2.48	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.43
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.63	0.43
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.80	0.43
1:C:805:ARG:HG3	3:Z:20:PHE:CD2	2.54	0.43
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.43
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.43
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.43
2:Y:47:LEU:HA	2:Y:47:LEU:HD23	1.64	0.43
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.43
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.43
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.43
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.43
1:C:583:TYR:HE1	1:C:584:ALA:CB	2.26	0.43
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.43
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.63	0.43
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.80	0.43
1:C:723:LEU:HA	1:C:777:ARG:HD3	1.36	0.43
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.43
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.43
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.43
1:C:743:LEU:HA	1:C:743:LEU:HD23	1.63	0.43
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.43
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.43
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.43
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
1:C:811:ILE:HA	1:C:814:ASN:CG	2.43	0.43
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.43
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.43
1:C:502:LYS:CB	1:C:713:TYR:CE1	3.02	0.43
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.43
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.43
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.43
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.43
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.62	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.43
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.43
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.43
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.43
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.43
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.43
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.43
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
1:C:826:TRP:CZ2	2:Y:72:PHE:CZ	2.98	0.43
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.43
1:C:119:PHE:CD2	1:C:667:PHE:CA	2.83	0.43
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.43
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.43
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.43
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.43
1:C:770:LEU:HD23	1:C:770:LEU:HA	1.60	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.43
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.43
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.43
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.43
1:C:16:ASP:CG	1:C:84:LYS:HZ2	2.23	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:337:ILE:CD1	1:C:337:ILE:C	2.90	0.43
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.43
3:Z:93:PHE:CD2	3:Z:101:ILE:HG13	2.53	0.43
1:C:216:GLU:CG	1:C:217:ASP:N	2.78	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.43
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.43
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.43
1:C:799:LYS:HG2	2:Y:95:MET:HG3	1.96	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.43
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.43
1:C:246:PHE:HE2	1:C:248:ARG:CD	2.21	0.43
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
1:C:801:LEU:HD13	3:Z:17:LEU:HD21	2.00	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.43
3:Z:131:LEU:HD23	3:Z:131:LEU:HA	1.61	0.43
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.43
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.43
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.43
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.43
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.43
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.43
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.43
1:C:681:LEU:HD23	1:C:681:LEU:HA	1.61	0.43
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.43
1:C:826:TRP:CZ2	2:Y:72:PHE:CZ	2.98	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.43
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.43
1:C:16:ASP:CG	1:C:84:LYS:HZ2	2.24	0.43
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.43
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.43
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.43
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.43
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.43
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.18	0.43
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.43
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.43
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.43
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.61	0.43
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.43
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.24	0.43
1:C:508:GLU:H	1:C:763:LYS:CD	2.32	0.43
1:C:572:ASN:HD22	1:C:572:ASN:HA	1.66	0.43
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.43
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.43
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.43
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.43
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.43
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.24	0.43
1:C:572:ASN:HD22	1:C:572:ASN:HA	1.66	0.43
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.43
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:796:LYS:HD3	2:Y:98:GLU:CA	2.39	0.43
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.43
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.43
2:Y:65:GLY:O	2:Y:71:MET:SD	2.77	0.43
2:Y:100:GLU:OE1	3:Z:126:ILE:O	2.29	0.43
1:C:16:ASP:CG	1:C:84:LYS:HZ2	2.23	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:337:ILE:CD1	1:C:337:ILE:C	2.90	0.43
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.43
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.43
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.43
1:C:33:ASN:HD22	1:C:33:ASN:HA	1.69	0.43
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.43
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.43
1:C:536:GLU:CG	1:C:547:PHE:CE1	2.85	0.43
1:C:586:ASN:HD22	1:C:586:ASN:HA	1.62	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.51	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.43
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.43
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.43
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.43
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.43
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.43
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.43
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.43
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.43
1:C:16:ASP:CG	1:C:84:LYS:HZ2	2.23	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:337:ILE:CD1	1:C:337:ILE:C	2.90	0.43
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.43
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.62	0.43
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.00	0.43
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.43
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.24	0.43
1:C:572:ASN:HD22	1:C:572:ASN:HA	1.66	0.43
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.43
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.43
2:Y:24:PHE:HE1	2:Y:35:VAL:HG13	1.74	0.43
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.43
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.32	0.43
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.43
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.43
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.43
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.43
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.43
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.43
1:C:129:LEU:CD1	1:C:129:LEU:C	2.75	0.43
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.43
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.43
1:C:350:LYS:HZ1	1:C:386:LEU:HD12	1.84	0.43
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.43
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.43
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.43
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.43
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.43
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.43
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.43
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.43
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.43
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:743:LEU:CD1	1:C:762:PHE:CE2	2.82	0.43
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.43
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.43
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.43
1:C:216:GLU:CG	1:C:217:ASP:N	2.78	0.43
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.43
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.43
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.43
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.43
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.43
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.43
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.43
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.43
3:Z:63:LEU:HA	3:Z:63:LEU:HD23	1.67	0.43
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.43
1:C:162:ASN:O	1:C:715:GLU:OE2	2.36	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.43
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.43
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.43
1:C:703:CYS:O	1:C:764:ALA:HB3	2.14	0.43
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.43
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.43
1:C:16:ASP:CG	1:C:84:LYS:HZ2	2.23	0.43
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.43
1:C:60:ILE:HD11	1:C:64:SER:H	1.83	0.43
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.43
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.43
1:C:337:ILE:CD1	1:C:337:ILE:C	2.90	0.43
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.43
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.43
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.43
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.43
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.12	0.43
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.43

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.24	0.43
1:C:572:ASN:HD22	1:C:572:ASN:HA	1.66	0.43
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.43
1:C:696:VAL:CG2	1:C:697:LEU:N	2.59	0.43
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.43
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.43
3:Z:63:LEU:HA	3:Z:63:LEU:HD23	1.67	0.43
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.42
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.42
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.42
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.42
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.42
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.42
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.42
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:523:ILE:CD1	1:C:523:ILE:C	2.87	0.42
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.42
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:743:LEU:CD1	1:C:762:PHE:CE2	2.82	0.42
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.42
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.42
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.42
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.42
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.42
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.42
1:C:826:TRP:HZ2	2:Y:72:PHE:CZ	2.29	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
1:C:7:ASP:OD1	1:C:7:ASP:N	2.49	0.42
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.42
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:583:TYR:HE1	1:C:584:ALA:CB	2.26	0.42
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.42
1:C:808:LEU:HD23	1:C:808:LEU:HA	1.61	0.42
1:C:821:LEU:HA	1:C:821:LEU:HD23	1.62	0.42
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.42
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.42
1:C:161:GLN:C	1:C:774:ARG:NH2	2.77	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.42
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.42
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.42
2:Y:29:VAL:CG2	2:Y:30:ASP:N	2.65	0.42
2:Y:147:MET:HG2	2:Y:147:MET:H	1.69	0.42
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.42
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.42
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.42
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.42
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.42
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.43	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.42
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:583:TYR:HE1	1:C:584:ALA:CB	2.26	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.42
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.42
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.42
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.42
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.42
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.42
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.42
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:713:TYR:HD2	1:C:739:SER:HG	1.66	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.42
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.42
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.42
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.42
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.42
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.42
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.42
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.42
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.42
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.42
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.42
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.42
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.42
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.42
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.42
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.42
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.42
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.42
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.42
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.42
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.42
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
3:Z:33:LEU:HD23	3:Z:33:LEU:HA	1.63	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:426:LEU:CD1	1:C:606:VAL:HG21	2.47	0.42
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.42
1:C:505:ILE:CG2	1:C:763:LYS:H	2.32	0.42
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:60:ILE:CD1	1:C:64:SER:H	2.31	0.42
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.42
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:723:LEU:CD2	1:C:777:ARG:HG3	2.49	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
3:Z:141:TYR:CE2	3:Z:145:VAL:HG13	2.44	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.42
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.54	0.42
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.42
1:C:190:ILE:HD12	1:C:219:ILE:HD11	1.99	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.42
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.42
1:C:492:MET:SD	1:C:699:GLY:HA2	2.58	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.42
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.42
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.42
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.42
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.42
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.42
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.42
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.42
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.42
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.42
1:C:111:LEU:HD23	1:C:111:LEU:HA	1.61	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.42
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.07	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.42
2:Y:117:GLY:HA2	3:Z:20:PHE:CZ	2.54	0.42
1:C:12:TYR:HE1	1:C:131:ILE:CG1	2.24	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.42
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.42
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.42
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.42
1:C:12:TYR:HE1	1:C:131:ILE:CG1	2.24	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.42
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.42
1:C:507:TRP:HZ3	1:C:707:PHE:N	2.16	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
2:Y:67:LEU:HD23	2:Y:67:LEU:HA	1.68	0.42
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.42
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.32	0.42
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.42
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:350:LYS:HZ1	1:C:386:LEU:CD1	2.32	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.62	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.42
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.42
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.42
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.42
1:C:799:LYS:HE3	1:C:806:ILE:HG13	2.00	0.42
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.42
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.42
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.42
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.42
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.42
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.42
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.42
2:Y:67:LEU:HD23	2:Y:67:LEU:HA	1.68	0.42
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.42
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.73	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:762:PHE:HB3	1:C:766:VAL:HG23	1.94	0.42
1:C:12:TYR:HE1	1:C:131:ILE:CG1	2.24	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.42
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.42
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.42
1:C:352:THR:HG23	1:C:434:MET:CE	2.44	0.42
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.42
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.42
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
1:C:805:ARG:HG3	3:Z:20:PHE:CD2	2.54	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.42
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.42
1:C:129:LEU:CD2	1:C:131:ILE:N	2.43	0.42
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.42
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.42
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.25	0.42
1:C:690:GLN:O	1:C:694:ASN:ND2	2.52	0.42
2:Y:98:GLU:CG	2:Y:99:GLN:N	2.65	0.42
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.42
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.58	0.42
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.42
1:C:380:ALA:C	1:C:383:VAL:CG2	2.82	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:533:LEU:HD23	1:C:533:LEU:HA	1.63	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.42
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.44	0.42
1:C:648:VAL:CG1	1:C:649:HIS:N	2.79	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.42
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.42
2:Y:37:LYS:NZ	2:Y:53:ASP:CA	2.80	0.42
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.42
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.42
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.42
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.42
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.42
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:792:TYR:OH	2:Y:97:ASP:C	2.62	0.42
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.42
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.42
1:C:12:TYR:HE1	1:C:131:ILE:CG1	2.24	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.42
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.42
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.42
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.42
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.42
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.42
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.42
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.42
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.42
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.42
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.42
1:C:724:ALA:H	1:C:725:PRO:CD	2.18	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.73	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:113:TYR:CZ	1:C:115:TYR:CE2	2.87	0.42
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.32	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.42
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.42
1:C:226:LEU:HD23	1:C:226:LEU:HA	1.63	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.42
1:C:505:ILE:HG12	1:C:761:PHE:CB	2.50	0.42
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.42
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.42
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.42
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.42
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.42
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.42
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.42
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.42
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.42
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.42
1:C:523:ILE:CD1	1:C:523:ILE:C	2.87	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.42
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.42
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.62	0.42
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.42
3:Z:134:ASP:OD1	3:Z:134:ASP:N	2.49	0.42
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.42
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.42
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:85:SER:HG	2:Y:88:THR:H	1.61	0.42
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.42
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.42
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.42
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.02	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.42
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.42
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.42
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.42
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.42
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.42
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.42
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.35	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.62	0.42
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.42
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.02	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.42
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.42
1:C:523:ILE:CD1	1:C:523:ILE:C	2.87	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.42
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.42
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.42
1:C:527:MET:O	1:C:532:ILE:CD1	2.64	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.42
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.42
2:Y:148:ILE:C	2:Y:148:ILE:CD1	2.92	0.42
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.42
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.64	0.42
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.42
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.42
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.42
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.42
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.42
1:C:770:LEU:HD23	1:C:770:LEU:HA	1.60	0.42
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.42
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.42
3:Z:83:PHE:HZ	3:Z:87:MET:CE	2.28	0.42
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.42
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.42
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42
1:C:503:GLU:HB3	1:C:711:LEU:HB2	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.42
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.42
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.42
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.42
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.42
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.42
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.42
1:C:174:ILE:CD1	1:C:174:ILE:O	2.66	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.42
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.42
1:C:12:TYR:CZ	1:C:131:ILE:HB	2.39	0.42
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.42
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.42
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.42
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.42
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.42
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.42
1:C:503:GLU:N	1:C:761:PHE:HE1	2.16	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.42
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.42
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.42
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.42
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.42
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.42
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.42
1:C:799:LYS:HG2	1:C:803:ASP:CB	2.35	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.42
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.42
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.42
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.42
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.42
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.42
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.42
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.42
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.42
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.42
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.42
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.42
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.42
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.42
1:C:818:TRP:HZ2	1:C:822:ARG:HH21	1.62	0.42
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.44	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.44	0.42
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:701:ARG:CG	1:C:705:LYS:CD	2.85	0.42
1:C:717:LYS:O	1:C:721:SER:OG	2.31	0.42
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.42
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.44	0.42
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:701:ARG:CG	1:C:705:LYS:CD	2.85	0.42
2:Y:148:ILE:C	2:Y:148:ILE:CD1	2.92	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.42
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.42
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.42
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.42
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.42
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.42
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.65	0.42
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.42
3:Z:135:LEU:HA	3:Z:135:LEU:HD23	1.64	0.42
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.42
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.68	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:762:PHE:HB3	1:C:766:VAL:HG23	1.94	0.42
1:C:767:LEU:HA	1:C:767:LEU:HD23	1.63	0.42
1:C:810:VAL:CG2	2:Y:92:ALA:CB	2.66	0.42
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.42
1:C:285:PHE:CE1	1:C:311:PHE:HE1	2.16	0.42
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.54	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.42
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.54	0.42
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.42
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.44	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.54	0.42
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.42
2:Y:117:GLY:HA2	3:Z:20:PHE:CE2	2.52	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.42
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.42
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.44	0.42
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:701:ARG:CG	1:C:705:LYS:CD	2.85	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:496:GLU:HA	1:C:710:ARG:HH22	1.83	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.42
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.42
2:Y:148:ILE:C	2:Y:148:ILE:CD1	2.92	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.42
1:C:190:ILE:HD12	1:C:219:ILE:HD11	1.99	0.42
1:C:398:LEU:HA	1:C:398:LEU:HD23	1.64	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.54	0.42
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.42
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.32	0.42
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.42
1:C:85:LEU:C	1:C:85:LEU:CD2	2.73	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.42
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.42
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.42
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.10	0.42
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.42
2:Y:101:THR:O	2:Y:102:LYS:HB2	2.18	0.42
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.42
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.42
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.42
1:C:717:LYS:NZ	1:C:738:VAL:HB	2.13	0.42
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:60:LEU:HD23	2:Y:60:LEU:HA	1.61	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.42
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.42
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.42
1:C:365:GLN:CA	1:C:416:MET:SD	3.06	0.42
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.42
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.42
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.44	0.42
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:701:ARG:CG	1:C:705:LYS:CD	2.85	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.42
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.42
1:C:495:LEU:HD23	1:C:495:LEU:HA	1.64	0.42
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
2:Y:43:ILE:CG1	2:Y:44:SER:N	2.73	0.42
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.42
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.61	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:564:LYS:CG	1:C:565:PRO:CD	2.92	0.42
1:C:799:LYS:C	1:C:804:GLN:N	2.76	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:805:ARG:HG3	3:Z:20:PHE:CD2	2.54	0.42
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.77	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.20	0.42
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.42
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.42
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.42
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.42
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.42
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.42
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42
1:C:516:LEU:HA	1:C:516:LEU:HD23	1.62	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
1:C:709:SER:CB	1:C:710:ARG:N	2.76	0.42
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.42
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.42
1:C:495:LEU:HD23	1:C:495:LEU:HA	1.64	0.42
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:808:LEU:CB	3:Z:20:PHE:CE2	3.03	0.42
1:C:832:LYS:HZ1	2:Y:47:LEU:CB	2.26	0.42
2:Y:65:GLY:HA3	2:Y:66:PRO:HD2	1.82	0.42
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.42
3:Z:83:PHE:HZ	3:Z:87:MET:CE	2.28	0.42
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.42
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.42
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:510:ILE:CG2	1:C:707:PHE:HZ	2.33	0.42
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.42
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.42
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.42
3:Z:134:ASP:OD1	3:Z:134:ASP:N	2.49	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.16	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:523:ILE:CD1	1:C:523:ILE:C	2.87	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.42
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.42
1:C:495:LEU:HD23	1:C:495:LEU:HA	1.64	0.42
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.42
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.42
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.16	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.42
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.42
3:Z:134:ASP:OD1	3:Z:134:ASP:N	2.49	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.42
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.42
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:800:LYS:C	1:C:801:LEU:C	2.87	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.42
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.42
1:C:495:LEU:HD23	1:C:495:LEU:HA	1.64	0.42
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.42
2:Y:37:LYS:HZ2	2:Y:56:LEU:HB3	1.83	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.42
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.42
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.42
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.42
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.42
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.42
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.42
1:C:495:LEU:HD23	1:C:495:LEU:HA	1.64	0.42
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.42
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.42
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:754:ARG:HB2	1:C:761:PHE:HB2	1.96	0.42
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.42
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.42
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.42
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.42
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.42
1:C:495:LEU:HD23	1:C:495:LEU:HA	1.64	0.42
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.42
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.42
1:C:495:LEU:HD23	1:C:495:LEU:HA	1.64	0.42
1:C:507:TRP:CG	1:C:508:GLU:N	2.86	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
2:Y:98:GLU:CG	2:Y:99:GLN:N	2.65	0.42
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.42
1:C:246:PHE:CE2	1:C:248:ARG:CG	3.01	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:781:ILE:CD1	1:C:781:ILE:C	2.93	0.42
2:Y:96:PHE:HD2	2:Y:104:LEU:HD22	1.68	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.42
1:C:505:ILE:HD13	1:C:754:ARG:HA	2.01	0.42
1:C:505:ILE:N	1:C:755:LEU:HB2	2.28	0.42
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.42
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.42
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.42
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.42
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.42
1:C:101:TYR:O	1:C:105:SER:OG	2.20	0.42
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.42
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.42
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.68	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.42
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.42
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.42
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.42
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.42
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.42
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.42
1:C:337:ILE:CD1	1:C:337:ILE:C	2.91	0.42
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.42
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.70	0.42
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.70	0.42
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.80	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.42
1:C:505:ILE:HD13	1:C:754:ARG:HB3	1.56	0.42
1:C:598:ASN:HD21	1:C:644:THR:HB	1.82	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.42
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.42
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.42
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.42
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.42
1:C:503:GLU:OE2	1:C:759:LYS:CA	2.66	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.42
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.42
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.42
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.42
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.42
1:C:832:LYS:HZ3	2:Y:48:GLY:N	2.11	0.42
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.42
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.42
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:101:TYR:O	1:C:105:SER:OG	2.20	0.42
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.42
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.42
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.42
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.42
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.42
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.42
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.42
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.60	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.42
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.42
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.42
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.42
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.44	0.42
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.42
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.42
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.42
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.42
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.42
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.42
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.42
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.42
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:583:TYR:HE1	1:C:584:ALA:CB	2.25	0.42
1:C:598:ASN:HD21	1:C:644:THR:HB	1.83	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.42
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.42
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
1:C:821:LEU:HA	1:C:821:LEU:HD23	1.62	0.42
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.42
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.42
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.32	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:220:ILE:CG1	1:C:221:GLN:N	2.76	0.42
1:C:242:ARG:HH11	1:C:271:ARG:CG	2.31	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.42
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.42
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.42
1:C:821:LEU:HA	1:C:821:LEU:HD23	1.62	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:144:ARG:CG	1:C:774:ARG:CB	2.98	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.42
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.42
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.32	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.42
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.42
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.42
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.42
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.42
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.42
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.42
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:826:TRP:CZ2	2:Y:72:PHE:CZ	2.98	0.42
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.42
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.42
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.42
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.42
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.42
1:C:337:ILE:CD1	1:C:337:ILE:C	2.90	0.42
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.42
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.42
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.42
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:686:LEU:HD23	1:C:686:LEU:HA	1.61	0.42
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.42
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.42
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.42
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.42
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.42
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.42
1:C:251:PHE:HE2	1:C:456:ILE:CG2	2.31	0.42
1:C:311:PHE:HD1	1:C:312:ILE:HG22	1.78	0.42
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:705:LYS:C	1:C:706:GLY:O	2.62	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:371:GLN:HE22	1:C:373:GLU:CG	2.30	0.42
1:C:506:ALA:CA	1:C:753:TYR:HA	2.49	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.42
1:C:701:ARG:CG	1:C:705:LYS:CD	2.85	0.42
2:Y:43:ILE:CG1	2:Y:44:SER:N	2.73	0.42
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.42
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.42
1:C:190:ILE:HG13	1:C:191:MET:HG2	1.99	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.42
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:167:ARG:CB	1:C:718:GLN:O	2.67	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.42
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.42
3:Z:5:GLN:C	3:Z:7:GLU:N	2.73	0.42
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:371:GLN:HE22	1:C:373:GLU:CG	2.30	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.42
1:C:701:ARG:CG	1:C:705:LYS:CD	2.85	0.42
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.42
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:371:GLN:HE22	1:C:373:GLU:CG	2.30	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.42
1:C:701:ARG:CG	1:C:705:LYS:CD	2.85	0.42
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.42
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.42
3:Z:69:LEU:HD23	3:Z:69:LEU:HA	1.66	0.42
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.68	0.42
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
1:C:808:LEU:HD23	1:C:808:LEU:HA	1.61	0.42
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.42
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.42
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.42
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.42
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:660:LEU:HD23	1:C:660:LEU:HA	1.63	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.42
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.42
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.42
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:371:GLN:HE22	1:C:373:GLU:CG	2.30	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.42
1:C:701:ARG:CG	1:C:705:LYS:CD	2.85	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:499:GLU:CG	1:C:710:ARG:NH1	2.80	0.42
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.42
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.42
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.42
1:C:776:GLU:O	1:C:779:SER:OG	2.32	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.42
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.42
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.42
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.45	0.42
3:Z:110:LEU:HD23	3:Z:110:LEU:HA	1.64	0.42
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.42
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.42
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.42
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.42
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.66	0.42
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.42
2:Y:91:ASN:C	2:Y:93:PHE:H	2.25	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:371:GLN:HE22	1:C:373:GLU:CG	2.30	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.42
1:C:701:ARG:CG	1:C:705:LYS:CD	2.85	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.42
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.42
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.42
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
2:Y:98:GLU:CG	2:Y:99:GLN:N	2.65	0.42
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.42
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:711:LEU:HA	1:C:711:LEU:HD23	1.68	0.42
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:371:GLN:HE22	1:C:373:GLU:CG	2.30	0.42
1:C:505:ILE:HD11	1:C:761:PHE:C	2.44	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:687:VAL:CG2	1:C:688:LEU:N	2.59	0.42
1:C:701:ARG:CG	1:C:705:LYS:CD	2.85	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.42
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.42
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.42
1:C:113:TYR:OH	1:C:115:TYR:HE2	1.83	0.42
1:C:180:ALA:CB	1:C:670:CYS:HG	2.28	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:505:ILE:HD13	1:C:754:ARG:CA	2.49	0.42
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.42
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.42
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.42
3:Z:111:THR:CA	3:Z:117:LEU:HD12	2.35	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.00	0.42
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.42
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.42
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.42
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.42
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.42
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.42
1:C:9:ASP:OD1	1:C:9:ASP:N	2.49	0.42
1:C:134:ASP:OD1	1:C:134:ASP:N	2.49	0.42
1:C:460:ASP:OD2	1:C:460:ASP:O	2.37	0.42
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.42
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:CG	1:C:314:GLN:NE2	2.75	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:800:LYS:CA	1:C:804:GLN:N	2.76	0.42
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.42
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.96	0.42
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.42
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.42
1:C:453:ASN:HD21	3:Z:95:ARG:NE	2.17	0.42
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.68	0.42
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.42
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.42
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.42
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.42
2:Y:100:GLU:CB	3:Z:127:LYS:HB3	2.49	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.42
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.42
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.42
1:C:501:LYS:HG2	1:C:755:LEU:CB	2.40	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.42
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.42
1:C:113:TYR:OH	1:C:115:TYR:HE2	1.83	0.42
1:C:180:ALA:CB	1:C:670:CYS:HG	2.28	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:134:ASP:HA	3:Z:108:HIS:ND1	2.35	0.42
1:C:246:PHE:HE2	1:C:248:ARG:CD	2.22	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.42
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.42
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.42
1:C:583:TYR:HE1	1:C:584:ALA:CB	2.25	0.42
3:Z:40:LEU:HA	3:Z:40:LEU:HD23	1.62	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.42
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.42
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.42
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.42
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.42
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.42
1:C:113:TYR:OH	1:C:115:TYR:HE2	1.83	0.42
1:C:180:ALA:CB	1:C:670:CYS:HG	2.28	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.42
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.42
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.42
3:Z:58:MET:CG	3:Z:59:GLY:H	2.28	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.42
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.42
1:C:502:LYS:O	1:C:755:LEU:O	2.36	0.42
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.42
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.42
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.42
2:Y:65:GLY:O	2:Y:71:MET:SD	2.76	0.42
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.42
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42
1:C:677:LYS:O	1:C:677:LYS:CG	2.57	0.42
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:660:LEU:HA	1:C:660:LEU:HD23	1.63	0.42
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.42
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.42
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.42
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.42
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.66	0.42
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.00	0.42
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.42
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.42
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.42
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.42
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
3:Z:134:ASP:OD1	3:Z:134:ASP:N	2.48	0.42
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.42
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.42
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.42
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.42
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.42
1:C:113:TYR:OH	1:C:115:TYR:HE2	1.83	0.42
1:C:180:ALA:CB	1:C:670:CYS:HG	2.28	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.42
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.42
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.42
1:C:792:TYR:CE1	2:Y:98:GLU:HG2	2.38	0.42
2:Y:99:GLN:O	3:Z:129:THR:CG2	2.67	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.42
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.42
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.42
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.42
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.42
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.42
1:C:68:THR:O	1:C:69:VAL:HG13	2.18	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.42
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.42
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.44	0.42
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.42
1:C:504:GLY:O	1:C:755:LEU:HB2	2.17	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:656:LEU:HD23	1:C:656:LEU:HA	1.62	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:811:ILE:HA	1:C:814:ASN:CG	2.43	0.42
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.02	0.42
1:C:178:SER:HB2	1:C:236:ARG:CD	2.42	0.42
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.42
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.42
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.42
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.42
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.42
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.42
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.42
3:Z:98:GLN:HE21	3:Z:140:LYS:HZ3	1.68	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.02	0.42
1:C:178:SER:HB2	1:C:236:ARG:CD	2.42	0.42
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.42
1:C:509:PHE:CD2	1:C:510:ILE:N	2.82	0.42
1:C:509:PHE:HA	1:C:752:GLU:HA	0.86	0.42
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.42
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.42
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.02	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:178:SER:HB2	1:C:236:ARG:CD	2.42	0.42
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.42
1:C:502:LYS:HG2	1:C:758:THR:N	2.24	0.42
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.42
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.42
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.42
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.42
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.42
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:617:LEU:HD23	1:C:617:LEU:HA	1.61	0.42
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.42
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.42
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:127:MET:SD	2:Y:130:LYS:NZ	2.76	0.42
3:Z:134:ASP:OD1	3:Z:134:ASP:N	2.49	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.02	0.42
1:C:178:SER:HB2	1:C:236:ARG:CD	2.42	0.42
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.42
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.42
1:C:766:VAL:HG23	1:C:767:LEU:H	1.79	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.64	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:770:LEU:HD23	1:C:770:LEU:HA	1.60	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.42
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.42
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.42
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.42
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.02	0.42
1:C:178:SER:HB2	1:C:236:ARG:CD	2.42	0.42
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.42
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.42
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.42
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.42
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.42
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.42
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.02	0.42
1:C:178:SER:HB2	1:C:236:ARG:CD	2.42	0.42
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.42
2:Y:20:MET:HE3	2:Y:73:LEU:HD21	1.98	0.42
3:Z:110:LEU:O	3:Z:117:LEU:CD1	2.40	0.42
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.42
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.42
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.42
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.42
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.42
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.42
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.42
1:C:533:LEU:HD23	1:C:533:LEU:HA	1.63	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.42
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.42
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.42
1:C:139:LYS:CG	3:Z:95:ARG:NH1	2.74	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
2:Y:106:ILE:CD1	2:Y:106:ILE:C	2.79	0.42
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.42
1:C:417:ASN:C	1:C:419:VAL:N	2.74	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.54	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:728:ILE:CD1	1:C:728:ILE:C	2.93	0.42
1:C:762:PHE:HB3	1:C:766:VAL:HG23	1.95	0.42
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.42
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.42
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.42
3:Z:106:LEU:HD23	3:Z:106:LEU:HA	1.60	0.42
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.58	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.42
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.42
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.69	0.42
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.42
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.42
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.42
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.69	0.42
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.42
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:371:GLN:HE22	1:C:373:GLU:CG	2.30	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.42
1:C:826:TRP:HZ2	2:Y:72:PHE:CZ	2.29	0.42
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.83	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.42
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.85	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.42
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.42
1:C:478:ASN:HD22	1:C:478:ASN:HA	1.68	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:796:LYS:NZ	3:Z:128:LEU:CD2	2.67	0.42
1:C:811:ILE:HA	1:C:814:ASN:CG	2.43	0.42
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.69	0.42
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.42
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.00	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.42
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.42
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.42
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.42
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.42
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.42
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.42
1:C:399:LEU:HD23	1:C:419:VAL:HG11	2.00	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.44	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.54	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.42
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.42
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.42
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:430:LEU:HD23	1:C:430:LEU:HA	1.60	0.42
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.42
2:Y:72:PHE:C	2:Y:75:ILE:HD13	2.40	0.42
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.45	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.42
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.42
2:Y:94:ALA:CB	3:Z:128:LEU:HD23	2.48	0.42
3:Z:33:LEU:HD23	3:Z:33:LEU:HA	1.62	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.69	0.42
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.42
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.42
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.42
2:Y:44:SER:OG	2:Y:45:GLU:N	2.49	0.42
3:Z:33:LEU:HD23	3:Z:33:LEU:HA	1.62	0.42
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.42
1:C:379:GLU:CD	1:C:379:GLU:N	2.73	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.42
1:C:802:GLN:CG	3:Z:17:LEU:HD12	2.50	0.42
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.42
2:Y:98:GLU:CG	2:Y:99:GLN:N	2.65	0.42
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.42
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.42
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.42
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.42
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.42
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.42
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.69	0.42
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.42
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.42
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.42
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.42
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
1:C:379:GLU:CD	1:C:379:GLU:N	2.73	0.42
1:C:452:ARG:HG3	3:Z:100:PHE:CD1	2.54	0.42
1:C:500:TYR:N	1:C:761:PHE:CE2	2.82	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.42
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.42
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.42
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:497:GLN:CD	1:C:763:LYS:H	2.24	0.42
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.42
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.42
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.42
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.42
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.42
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.42
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.42
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.42
1:C:379:GLU:CD	1:C:379:GLU:N	2.73	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.42
1:C:33:ASN:HD22	1:C:33:ASN:HA	1.69	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:352:THR:HG23	1:C:434:MET:CE	2.44	0.42
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.42
1:C:379:GLU:CD	1:C:379:GLU:N	2.73	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.42
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.42
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.42
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.42
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:41:GLU:OE1	1:C:104:ARG:NH1	2.52	0.42
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.42
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:379:GLU:CD	1:C:379:GLU:N	2.73	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.42
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.42
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.42
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.78	0.42
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.42
1:C:379:GLU:CD	1:C:379:GLU:N	2.73	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.42
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.63	0.42
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.42
1:C:379:GLU:CD	1:C:379:GLU:N	2.73	0.42
1:C:499:GLU:CB	1:C:710:ARG:HG2	2.49	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.42
3:Z:33:LEU:HD21	3:Z:68:PHE:CD1	2.50	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.42
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.42
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.42
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.42
1:C:137:ILE:C	1:C:137:ILE:CD1	2.93	0.42
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.42
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.42
1:C:781:ILE:CD1	1:C:781:ILE:C	2.93	0.42
1:C:800:LYS:HG2	1:C:804:GLN:H	1.84	0.42
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.42
3:Z:111:THR:CA	3:Z:117:LEU:HD12	2.35	0.42
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.42
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.42
1:C:335:PHE:CZ	1:C:340:PHE:CD1	3.07	0.42
1:C:453:ASN:HD21	3:Z:95:ARG:CZ	2.33	0.42
1:C:511:ASP:OD1	1:C:511:ASP:N	2.48	0.42
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.42
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.42
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.42
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.42
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.42
1:C:792:TYR:CE1	2:Y:98:GLU:C	2.98	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.42
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.42
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.42
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.42
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.42
1:C:805:ARG:HG3	3:Z:20:PHE:CD2	2.54	0.42
2:Y:60:LEU:HD23	2:Y:60:LEU:HA	1.61	0.42
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.42
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:161:GLN:HE21	1:C:719:ARG:CG	2.20	0.42
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.42
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.42
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.42
1:C:615:GLU:CB	1:C:618:VAL:HG22	2.30	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.42
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.42
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.67	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.42
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.42
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.42
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.42
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.42
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.42
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.42
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.42
1:C:505:ILE:HG13	1:C:753:TYR:HA	1.99	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.42
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.42
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.42
1:C:286:TYR:HH	1:C:312:ILE:CD1	2.18	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.68	0.42
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.42
1:C:533:LEU:HD23	1:C:533:LEU:HA	1.63	0.42
1:C:595:LEU:CD2	1:C:596:GLU:CG	2.93	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:773:MET:H	1:C:773:MET:HG2	1.71	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.42
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.42
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.42
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.42
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.42
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.78	0.42
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.42
1:C:762:PHE:C	1:C:763:LYS:O	2.58	0.42
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.42
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.42
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:137:ILE:C	1:C:137:ILE:CD1	2.93	0.42
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.42
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.18	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.42
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.42
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.42
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.42
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.42
1:C:826:TRP:CZ2	2:Y:72:PHE:CZ	2.98	0.42
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.42
1:C:144:ARG:CZ	1:C:770:LEU:HA	2.49	0.42
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.44	0.42
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.42
1:C:243:PHE:CA	1:C:267:LEU:HD23	2.45	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.42
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.42
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.42
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.42
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:42:GLY:C	1:C:43:PHE:CD1	2.96	0.42
1:C:113:TYR:CE1	1:C:120:CYS:CB	2.92	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.42
1:C:498:GLU:CA	1:C:755:LEU:O	2.67	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:523:ILE:CD1	1:C:523:ILE:C	2.87	0.42
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.80	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.42
3:Z:16:GLU:O	3:Z:17:LEU:C	2.60	0.42
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.07	0.42
1:C:478:ASN:HD22	1:C:478:ASN:HA	1.68	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.42
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.42
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.42
1:C:755:LEU:HA	1:C:755:LEU:HD23	1.69	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.42
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.54	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.79	0.42
1:C:770:LEU:HD23	1:C:770:LEU:HA	1.60	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
3:Z:98:GLN:HE21	3:Z:140:LYS:HZ3	1.68	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.42
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.42
1:C:506:ALA:CA	1:C:753:TYR:CB	2.94	0.42
1:C:518:MET:C	1:C:520:ILE:N	2.76	0.42
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.42
1:C:737:THR:O	1:C:740:GLU:HB2	2.18	0.42
1:C:762:PHE:HB3	1:C:766:VAL:HG23	1.94	0.42
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.83	0.42
1:C:33:ASN:HD22	1:C:33:ASN:HA	1.69	0.42
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.42
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.42
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:523:ILE:CD1	1:C:523:ILE:C	2.87	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.42
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.42
1:C:518:MET:C	1:C:520:ILE:N	2.76	0.42
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.42
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
3:Z:106:LEU:HD23	3:Z:106:LEU:HA	1.60	0.42
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.42
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.42
1:C:518:MET:C	1:C:520:ILE:N	2.76	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.42
3:Z:128:LEU:C	3:Z:130:ASP:H	2.25	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:CD1	1:C:523:ILE:C	2.87	0.42
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.42
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.42
1:C:195:LYS:O	1:C:195:LYS:CG	2.66	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.67	0.42
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.42
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.10	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
1:C:148:ILE:O	1:C:148:ILE:HG12	2.13	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.20	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:523:ILE:CD1	1:C:523:ILE:C	2.87	0.42
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.42
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.42
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.42
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.42
1:C:502:LYS:HB2	1:C:756:GLY:HA3	1.41	0.42
1:C:504:GLY:CA	1:C:762:PHE:CZ	2.79	0.42
1:C:518:MET:C	1:C:520:ILE:N	2.76	0.42
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.42
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.42
1:C:800:LYS:O	1:C:804:GLN:HB2	2.19	0.42
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.42
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.42
1:C:610:LEU:HA	1:C:610:LEU:HD23	1.62	0.42
2:Y:60:LEU:HD23	2:Y:60:LEU:HA	1.61	0.42
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:523:ILE:CD1	1:C:523:ILE:C	2.87	0.42
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:20:MET:HG2	2:Y:20:MET:H	1.68	0.42
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.42
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.42
1:C:507:TRP:CD1	1:C:754:ARG:HD3	2.54	0.42
1:C:518:MET:C	1:C:520:ILE:N	2.76	0.42
1:C:826:TRP:HZ2	2:Y:72:PHE:CZ	2.29	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:523:ILE:CD1	1:C:523:ILE:C	2.87	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:523:ILE:CD1	1:C:523:ILE:C	2.87	0.42
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.42
1:C:713:TYR:HD2	1:C:739:SER:HG	1.63	0.42
1:C:762:PHE:HB3	1:C:766:VAL:HG23	1.94	0.42
3:Z:83:PHE:HZ	3:Z:87:MET:CE	2.28	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.42
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.42
1:C:518:MET:C	1:C:520:ILE:N	2.76	0.42
1:C:709:SER:C	1:C:710:ARG:CG	2.92	0.42
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.62	0.42
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.42
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.42
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.42
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.42
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.42
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.42
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.42
1:C:335:PHE:HB2	1:C:345:LYS:HD2	1.74	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.42
1:C:774:ARG:HG2	1:C:778:LEU:HD12	1.99	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.42
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.42
1:C:257:ILE:O	1:C:257:ILE:CG1	2.50	0.42
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.42
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.42
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.42
2:Y:89:ILE:HG13	2:Y:145:THR:CG2	2.22	0.42
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.42
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
2:Y:60:LEU:HD23	2:Y:60:LEU:HA	1.61	0.42
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:503:GLU:OE2	1:C:759:LYS:N	2.53	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.42
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.42
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:103:LEU:HD23	1:C:103:LEU:HA	1.60	0.42
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.42
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:805:ARG:HG3	3:Z:20:PHE:CD2	2.54	0.42
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.42
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.42
1:C:595:LEU:CD2	1:C:596:GLU:CG	2.93	0.42
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.42
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.42
2:Y:20:MET:HE2	2:Y:73:LEU:HD21	1.96	0.42
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.42
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.42
1:C:137:ILE:C	1:C:137:ILE:CD1	2.93	0.42
1:C:190:ILE:HD12	1:C:219:ILE:HD11	2.00	0.42
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.42
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.42
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.42
2:Y:37:LYS:NZ	2:Y:53:ASP:CA	2.80	0.42
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.42
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.42
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.42
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.42
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.42
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.42
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.78	0.42
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.42
1:C:193:LEU:CD1	1:C:251:PHE:CZ	2.83	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:350:LYS:HZ1	1:C:386:LEU:CD1	2.32	0.42
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.42
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.42
2:Y:86:GLU:CB	2:Y:149:LYS:CE	2.91	0.42
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.42
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.42
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.42
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.42
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.42
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.42
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.42
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.54	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.42
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.42
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.65	0.42
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.42
1:C:297:ASN:ND2	1:C:297:ASN:N	2.61	0.42
1:C:534:GLU:CD	1:C:644:THR:HG1	2.16	0.42
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.42
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.42
1:C:216:GLU:CG	1:C:217:ASP:N	2.78	0.42
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.42
1:C:446:LEU:HA	1:C:446:LEU:HD23	1.70	0.42
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.42
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.65	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:399:LEU:HD23	1:C:399:LEU:HA	1.64	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.42
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.42
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.42
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.42
3:Z:79:GLU:N	3:Z:79:GLU:CD	2.73	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:128:LEU:C	3:Z:130:ASP:H	2.26	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.42
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.42
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.42
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.42
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.42
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.42
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.77	0.42
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.42
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.42
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.70	0.42
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:449:LYS:HG3	3:Z:100:PHE:CB	2.45	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.42
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.42
1:C:508:GLU:CA	1:C:766:VAL:CG1	2.87	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
1:C:828:LYS:O	1:C:831:SER:OG	2.35	0.42
2:Y:20:MET:HE2	2:Y:73:LEU:HD21	1.96	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
1:C:33:ASN:HD22	1:C:33:ASN:HA	1.69	0.42
1:C:179:GLY:HA3	1:C:237:ASN:HD21	1.83	0.42
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.42
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.42
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.42
3:Z:33:LEU:HD23	3:Z:33:LEU:HA	1.63	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.42
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.42
1:C:303:THR:O	1:C:305:ASP:N	2.44	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.42
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.42
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.42
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.42
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.42
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.42
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
1:C:712:ILE:CD1	1:C:715:GLU:CB	2.81	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.42
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.42
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.42
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.42
1:C:313:ASN:N	1:C:313:ASN:ND2	2.61	0.42
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:527:MET:O	1:C:532:ILE:CD1	2.64	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.42
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.42
2:Y:132:ALA:HA	2:Y:133:PRO:HD2	1.82	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.42
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.42
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.42
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.42
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.42
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.42
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.42
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.42
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.42
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.42
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
3:Z:110:LEU:HD23	3:Z:110:LEU:HA	1.64	0.42
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.25	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.42
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.70	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:500:TYR:CZ	1:C:707:PHE:CB	2.58	0.42
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.42
1:C:527:MET:O	1:C:532:ILE:CD1	2.64	0.42
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.42
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.42
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.42
1:C:137:ILE:C	1:C:137:ILE:CD1	2.93	0.42
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:800:LYS:CA	1:C:801:LEU:N	2.73	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
1:C:821:LEU:HA	1:C:821:LEU:HD23	1.62	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
3:Z:113:LEU:HA	3:Z:113:LEU:HD23	1.67	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:216:GLU:CG	1:C:217:ASP:N	2.78	0.42
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.42
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.42
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.42
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.88	0.42
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.42
3:Z:40:LEU:HA	3:Z:40:LEU:HD23	1.62	0.42
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:645:ILE:HB	1:C:649:HIS:HE1	1.84	0.42
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.42
1:C:94:LEU:HA	1:C:94:LEU:HD23	1.62	0.42
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.42
1:C:805:ARG:HG3	3:Z:20:PHE:CD2	2.54	0.42
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.42
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.42
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
2:Y:65:GLY:HA3	2:Y:66:PRO:HD2	1.82	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.42
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.67	0.42
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.42
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.25	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.42
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.70	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.42
1:C:527:MET:O	1:C:532:ILE:CD1	2.64	0.42
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.42
1:C:770:LEU:HD23	1:C:770:LEU:HA	1.59	0.42
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.42
2:Y:127:MET:SD	2:Y:130:LYS:NZ	2.77	0.42
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.42
1:C:6:SER:O	3:Z:46:ASN:OD1	2.38	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.42
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.42
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.55	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:811:ILE:HA	1:C:814:ASN:CG	2.43	0.42
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.42
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.82	0.42
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.42
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.42
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.25	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.42
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.70	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.42
1:C:527:MET:O	1:C:532:ILE:CD1	2.64	0.42
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.42
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.42
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.42
3:Z:79:GLU:CD	3:Z:79:GLU:N	2.73	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.42
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.42
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.42
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.42
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.62	0.42
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.42
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.42
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.42
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.42
1:C:524:GLU:C	1:C:524:GLU:CD	2.86	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.42
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.42
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.10	0.42
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.42
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.42
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.42
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.42
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
1:C:691:LEU:C	1:C:694:ASN:HD21	2.22	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:819:LEU:HA	1:C:819:LEU:HD23	1.62	0.42
2:Y:53:ASP:OD2	2:Y:54:LYS:CD	2.67	0.42
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.42
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.42
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.42
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.42
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
2:Y:148:ILE:C	2:Y:148:ILE:CD1	2.92	0.42
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.42
1:C:799:LYS:O	1:C:802:GLN:N	2.53	0.42
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.42
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.69	0.42
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.62	0.42
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:505:ILE:CA	1:C:755:LEU:HB2	2.48	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.00	0.42
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.42
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.42
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.54	0.42
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.62	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.42
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.25	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.42
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.70	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.42
1:C:527:MET:O	1:C:532:ILE:CD1	2.64	0.42
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.42
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
2:Y:107:GLU:OE1	3:Z:120:GLU:OE2	2.37	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.42
1:C:246:PHE:CZ	1:C:248:ARG:CD	2.86	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:272:VAL:HG21	1:C:428:LYS:CG	2.34	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.42
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	3.00	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.42
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.42
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.42
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.42
1:C:832:LYS:HZ3	2:Y:48:GLY:CA	2.33	0.42
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.42
1:C:140:TYR:CE2	1:C:153:PHE:CB	2.90	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.42
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.42
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.42
1:C:137:ILE:C	1:C:137:ILE:CD1	2.93	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.42
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.42
1:C:711:LEU:HA	1:C:711:LEU:HD23	1.68	0.42
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
2:Y:20:MET:HE3	2:Y:73:LEU:HD21	1.98	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.42
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.42
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.42
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:179:GLY:HA3	1:C:237:ASN:HD21	1.83	0.42
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.42
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.42
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.42
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.42
2:Y:53:ASP:OD2	2:Y:54:LYS:CD	2.67	0.42
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.42
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.42
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.42
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.42
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.42
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.31	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:145:VAL:C	3:Z:148:VAL:HG22	2.43	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.42
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.42
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.42
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.42
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.42
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.42
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:179:GLY:HA3	1:C:237:ASN:HD21	1.83	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.42
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.42
1:C:16:ASP:CG	1:C:84:LYS:HZ2	2.23	0.42
1:C:119:PHE:CD2	1:C:667:PHE:HB2	2.47	0.42
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.42
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.42
1:C:582:HIS:HD2	1:C:583:TYR:CG	2.32	0.42
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.62	0.42
2:Y:65:GLY:HA3	2:Y:66:PRO:HD2	1.82	0.42
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.42
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.42
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.42
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.42
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.42
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.42
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.42
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.64	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.42
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.35	0.42
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.42
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.42
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.42
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:582:HIS:HD2	1:C:583:TYR:CG	2.32	0.42
1:C:660:LEU:O	1:C:663:THR:OG1	2.21	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:746:LEU:HD21	1:C:777:ARG:HH21	1.84	0.42
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.42
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.42
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.42
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.42
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.42
1:C:755:LEU:HA	1:C:755:LEU:HD23	1.69	0.42
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.42
2:Y:93:PHE:CZ	2:Y:104:LEU:HB2	2.53	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.42
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.42
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.42
1:C:499:GLU:O	1:C:755:LEU:C	2.62	0.42
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.42
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.42
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.42
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.42
1:C:231:ASN:O	1:C:282:TYR:HA	2.19	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.42
1:C:498:GLU:OE2	1:C:756:GLY:HA2	2.13	0.42
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.42
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.42
1:C:805:ARG:HG3	3:Z:20:PHE:CD2	2.54	0.42
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.42
3:Z:132:GLN:HG2	3:Z:133:GLU:N	2.31	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.42
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
1:C:780:LYS:NZ	3:Z:79:GLU:HG3	2.33	0.42
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.42
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.42
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.42
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.42
1:C:505:ILE:C	1:C:505:ILE:HD12	2.45	0.42
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.42
1:C:134:ASP:OD1	1:C:134:ASP:N	2.49	0.42
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.42
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.42
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.42
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.42
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.42
1:C:802:GLN:HG2	3:Z:17:LEU:CG	2.50	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.42
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.42
1:C:220:ILE:CG1	1:C:221:GLN:N	2.76	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.42
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.42
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.42
1:C:552:TYR:CA	1:C:556:MET:CG	2.89	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.42
2:Y:32:ASP:CG	2:Y:34:PHE:HE1	2.20	0.42
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.64	0.42
2:Y:127:MET:HA	2:Y:130:LYS:HE2	1.90	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.42
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.42
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.42
1:C:767:LEU:HD23	1:C:767:LEU:HA	1.63	0.42
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.42
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.42
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.42
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.42
1:C:337:ILE:CD1	1:C:337:ILE:C	2.90	0.42
1:C:355:ILE:C	1:C:357:HIS:H	2.26	0.42
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.42
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.42
1:C:743:LEU:CD1	1:C:762:PHE:CE2	2.82	0.42
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.42
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.42
2:Y:98:GLU:C	3:Z:128:LEU:CD2	2.92	0.42
1:C:12:TYR:CE1	1:C:13:LEU:CG	3.03	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.42
1:C:337:ILE:CD1	1:C:337:ILE:C	2.90	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:504:GLY:O	1:C:755:LEU:HB3	2.20	0.42
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.42
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.42
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.42
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.42
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.42
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.42
1:C:503:GLU:CG	1:C:756:GLY:CA	2.82	0.42
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.42
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.83	0.42
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.42
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:792:TYR:OH	2:Y:99:GLN:CD	2.61	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.42
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.42
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.42
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.42
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.42
3:Z:113:LEU:HA	3:Z:113:LEU:HD23	1.67	0.42
1:C:6:SER:O	3:Z:115:GLU:HG2	2.19	0.42
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.42
1:C:311:PHE:HD1	1:C:312:ILE:HG22	1.78	0.42
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.42
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.42
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.42
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.42
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.42
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.42
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.42
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.42
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.42
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.42
1:C:291:ASN:HD22	1:C:291:ASN:HA	1.69	0.42
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.42
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.42
1:C:572:ASN:HD22	1:C:572:ASN:HA	1.66	0.42
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.42
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.62	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.42
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.42
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.42
1:C:506:ALA:HB2	1:C:753:TYR:CD2	2.51	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.42
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.42
1:C:505:ILE:C	1:C:505:ILE:HD12	2.45	0.42
2:Y:99:GLN:HG3	3:Z:127:LYS:HB3	0.97	0.42
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.42
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.42
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:728:ILE:CD1	1:C:728:ILE:C	2.93	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.42
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.42
1:C:656:LEU:HD23	1:C:656:LEU:HA	1.62	0.42
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.42
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.68	0.42
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.42
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:134:ASP:OD1	1:C:134:ASP:N	2.49	0.42
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.42
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.42
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.42
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.42
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.42
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.62	0.42
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.42
1:C:220:ILE:HG13	1:C:221:GLN:H	1.83	0.42
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.42
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.42
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.42
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.42
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.42
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.42
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.42
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.42
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.42
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.42
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.60	0.42
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.42
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.42
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.42
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.42
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.42
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.42
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.42
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.42
3:Z:113:LEU:HA	3:Z:113:LEU:HD23	1.67	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.42
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.42
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.42
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.42
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.42
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.42
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.42
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.42
1:C:543:ASP:CG	1:C:544:ASP:N	2.77	0.42
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.42
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.62	0.42
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.42
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.71	0.42
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.42
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.42
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.42
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.21	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.66	0.42
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.42
1:C:506:ALA:HB3	1:C:754:ARG:HA	2.00	0.42
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.42
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.42
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.42
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.42
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.77	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.42
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.42
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.42
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.42
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.42
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.42
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.42
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.42
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.42
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.77	0.42
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.42
1:C:496:GLU:N	1:C:754:ARG:HE	2.17	0.42
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.42
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.42
2:Y:108:TYR:CE1	3:Z:123:ASP:OD1	2.71	0.42
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.42
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.77	0.42
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.42
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.42
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.42
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.42
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.42
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.42
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.42
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.42
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.42
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.42
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.42
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.42
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.42
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.42
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.42
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.42
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.42
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.42
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.42
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.42
1:C:610:LEU:HD23	1:C:610:LEU:HA	1.63	0.42
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.42
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.42
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.42
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.77	0.42
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.42
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.42
1:C:800:LYS:HA	1:C:803:ASP:OD2	2.17	0.42
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.84	0.42
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.42
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.42
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.42
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.31	0.42
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:123:VAL:CG1	1:C:671:ILE:HG12	2.27	0.42
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.42
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.42
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.42
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.42
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.42
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.42
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.42
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.42
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.77	0.42
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.42
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.42
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.42
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.42
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.32	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.42
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.42
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	2.00	0.42
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.42
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.42
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.42
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.42
2:Y:20:MET:HG2	2:Y:20:MET:H	1.68	0.42
2:Y:20:MET:HE3	2:Y:73:LEU:HD21	1.98	0.42
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.42
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.42
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.42
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.42
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.42
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.77	0.42
1:C:462:ALA:O	1:C:481:ASN:ND2	2.41	0.42
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.42
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.42
2:Y:106:ILE:CD1	2:Y:106:ILE:C	2.79	0.42
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:516:LEU:HD23	1:C:516:LEU:HA	1.62	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.42
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.42
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.42
1:C:583:TYR:HE1	1:C:584:ALA:CB	2.26	0.42
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.42
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.42
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.42
1:C:335:PHE:CZ	1:C:340:PHE:CD1	3.07	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.42
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.42
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.42
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.42
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.42
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.42
1:C:511:ASP:OD1	1:C:511:ASP:N	2.49	0.42
1:C:832:LYS:CE	2:Y:48:GLY:N	2.78	0.42
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.42
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.42
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.42
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.42
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.42
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.42
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.42
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.42
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.42
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.42
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.82	0.42
2:Y:72:PHE:C	2:Y:75:ILE:HD13	2.40	0.42
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.42
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.42
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.42
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.42
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.42
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.42
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.42
1:C:507:TRP:CG	1:C:763:LYS:CB	2.87	0.42
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.42
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.42
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.42
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.42
1:C:497:GLN:CD	1:C:754:ARG:CD	2.89	0.42
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.42
1:C:713:TYR:HD2	1:C:739:SER:HG	1.67	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.42
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:516:LEU:HD23	1:C:516:LEU:HA	1.62	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.42
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.65	0.42
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.42
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.42
1:C:180:ALA:HB1	1:C:670:CYS:CB	2.49	0.42
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
2:Y:43:ILE:CG1	2:Y:44:SER:N	2.73	0.42
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:180:ALA:CB	1:C:670:CYS:HG	2.28	0.42
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.42
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.42
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.42
1:C:801:LEU:HD13	3:Z:21:TRP:CZ3	2.28	0.42
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.42
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.42
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.42
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.42
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.42
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.42
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.42
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.42
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:516:LEU:HD23	1:C:516:LEU:HA	1.62	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
1:C:805:ARG:HG3	3:Z:20:PHE:CD2	2.54	0.42
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.42
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.42
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.42
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.42
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.42
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.42
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.42
1:C:231:ASN:HA	1:C:240:SER:O	2.19	0.42
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.42
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.42
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.42
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.42
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.42
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.42
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.42
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.42
1:C:728:ILE:CD1	1:C:728:ILE:C	2.93	0.42
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.42
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.42
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.42
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.42
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.42
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.42
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.46	0.42
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.42
3:Z:110:LEU:C	3:Z:117:LEU:HD11	2.34	0.42
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.31	0.42
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.42
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.42
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.42
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.80	0.42
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.42
1:C:380:ALA:C	1:C:383:VAL:CG2	2.82	0.42
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.42
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.42
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.42
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.42
3:Z:79:GLU:N	3:Z:79:GLU:CD	2.73	0.42
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.42
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.42
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.42
1:C:142:GLY:HA3	1:C:778:LEU:CD1	2.50	0.42
1:C:363:PHE:CE1	1:C:420:VAL:CG1	2.98	0.42
1:C:543:ASP:C	1:C:547:PHE:HD2	2.20	0.42
1:C:743:LEU:CD1	1:C:762:PHE:CE2	2.82	0.42
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.42
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.42
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.42
1:C:56:ILE:HD11	1:C:69:VAL:CG2	2.49	0.42
1:C:516:LEU:HD23	1:C:516:LEU:HA	1.62	0.42
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.42
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.42

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.42
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.42
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.42
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.42
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.41
1:C:446:LEU:HD23	1:C:446:LEU:HA	1.70	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.41
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:144:ARG:HH11	1:C:719:ARG:CZ	2.21	0.41
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.41
3:Z:134:ASP:OD1	3:Z:134:ASP:N	2.49	0.41
1:C:129:LEU:O	1:C:129:LEU:CG	2.68	0.41
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.41
1:C:352:THR:HG23	1:C:434:MET:CE	2.44	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:644:THR:O	1:C:648:VAL:HG12	2.20	0.41
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.46	0.41
1:C:826:TRP:HZ2	2:Y:72:PHE:CZ	2.29	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.41
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.41
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.41
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.41
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.41
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.41
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.41
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.41
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.41
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.82	0.41
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.41
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.41
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.41
1:C:160:TYR:O	1:C:774:ARG:CZ	2.60	0.41
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.41
1:C:446:LEU:HD23	1:C:446:LEU:HA	1.70	0.41
1:C:450:ALA:HA	3:Z:101:ILE:HG22	1.47	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.41
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.41
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
2:Y:37:LYS:HZ3	2:Y:53:ASP:HA	1.82	0.41
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.41
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.41
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.41
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.41
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.41
1:C:446:LEU:HD23	1:C:446:LEU:HA	1.70	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.41
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.41
1:C:776:GLU:O	1:C:779:SER:OG	2.32	0.41
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.41
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.41
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.41
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.41
1:C:446:LEU:HD23	1:C:446:LEU:HA	1.70	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.41
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.41
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.41
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
2:Y:27:ILE:CD1	2:Y:35:VAL:CG1	2.78	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.41
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.41
1:C:446:LEU:HD23	1:C:446:LEU:HA	1.70	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.41
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.41
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.41
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.41
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.41
1:C:446:LEU:HD23	1:C:446:LEU:HA	1.70	0.41
1:C:505:ILE:HD13	1:C:751:ALA:N	2.30	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:773:MET:O	1:C:777:ARG:N	2.49	0.41
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.41
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.41
1:C:446:LEU:HD23	1:C:446:LEU:HA	1.70	0.41
1:C:498:GLU:OE2	1:C:756:GLY:C	2.63	0.41
1:C:505:ILE:HB	1:C:762:PHE:CD2	2.54	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.41
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.41
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:723:LEU:HD23	1:C:777:ARG:HG3	2.01	0.41
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.41
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.41
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.41
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.41
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.41
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.18	0.41
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.41
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.41
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:802:GLN:HG2	3:Z:17:LEU:CD1	2.50	0.41
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.41
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.41
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:478:ASN:HD22	1:C:478:ASN:HA	1.68	0.41
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.41
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.41
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:335:PHE:CZ	1:C:340:PHE:CD1	3.07	0.41
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:533:LEU:HA	1:C:533:LEU:HD23	1.63	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.55	0.41
2:Y:147:MET:HG2	2:Y:147:MET:H	1.68	0.41
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.41
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.41
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.41
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.41
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.41
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.41
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.41
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.41
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.41
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.41
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.41
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.41
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.41
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.61	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:162:ASN:CB	1:C:170:GLN:HE22	2.31	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.41
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
2:Y:113:LEU:HD23	2:Y:113:LEU:HA	1.64	0.41
3:Z:111:THR:CA	3:Z:117:LEU:HD12	2.35	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:162:ASN:CB	1:C:170:GLN:HE22	2.31	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.41
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.41
1:C:746:LEU:HD23	1:C:746:LEU:HA	1.64	0.41
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.41
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.41
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.41
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.41
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.41
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.41
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.41
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.41
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.41
1:C:743:LEU:CD1	1:C:762:PHE:CE2	2.82	0.41
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.41
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.41
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.41
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:762:PHE:O	1:C:763:LYS:O	2.37	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
1:C:806:ILE:HD12	1:C:806:ILE:C	2.46	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.55	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.41
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.41
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.41
1:C:826:TRP:CZ2	2:Y:72:PHE:CZ	2.98	0.41
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:162:ASN:CB	1:C:170:GLN:HE22	2.31	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.41
2:Y:67:LEU:HD23	2:Y:67:LEU:HA	1.68	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
2:Y:108:TYR:CE2	3:Z:121:ASP:CG	2.98	0.41
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.41
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.41
1:C:801:LEU:CD2	3:Z:21:TRP:CZ3	3.03	0.41
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.41
3:Z:40:LEU:HD23	3:Z:40:LEU:HA	1.62	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.41
1:C:160:TYR:OH	1:C:255:GLY:O	2.20	0.41
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.41
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.41
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.41
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.41
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.41
2:Y:20:MET:HG2	2:Y:20:MET:H	1.68	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
3:Z:36:VAL:CG2	3:Z:37:CYS:N	2.59	0.41
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:572:ASN:HD22	1:C:572:ASN:HA	1.66	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.41
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:654:ASN:ND2	1:C:655:LYS:CD	2.31	0.41
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.41
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.41
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.41
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.41
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.71	0.41
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.62	0.41
1:C:800:LYS:O	1:C:801:LEU:HA	2.20	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
1:C:82:PHE:HB3	1:C:91:MET:CE	2.49	0.41
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.41
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.41
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.41
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.41
1:C:529:ILE:CD1	1:C:530:LEU:N	2.82	0.41
1:C:763:LYS:CG	1:C:764:ALA:N	2.82	0.41
1:C:806:ILE:HD12	1:C:806:ILE:C	2.45	0.41
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.41
2:Y:24:PHE:CE2	2:Y:28:ASP:CG	2.98	0.41
2:Y:48:GLY:O	2:Y:49:ARG:C	2.60	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.41
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.41
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:162:ASN:CB	1:C:170:GLN:HE22	2.31	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
3:Z:63:LEU:HD23	3:Z:64:PRO:HD2	1.97	0.41
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.41
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.51	0.41
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.32	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.41
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.41
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.41
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.41
2:Y:37:LYS:NZ	2:Y:53:ASP:CA	2.80	0.41
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.41
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.41
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.41
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.41
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.41
1:C:573:GLN:O	1:C:573:GLN:HG2	2.09	0.41
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.41
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.41
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.41
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.41
1:C:582:HIS:HD2	1:C:583:TYR:CG	2.32	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:595:LEU:CD2	1:C:596:GLU:CG	2.93	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:713:TYR:HD2	1:C:739:SER:HG	1.66	0.41
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.00	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:246:PHE:HE2	1:C:248:ARG:CD	2.21	0.41
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.41
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.41
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.41
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.41
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:246:PHE:HE2	1:C:248:ARG:CD	2.21	0.41
1:C:501:LYS:O	1:C:711:LEU:CB	2.66	0.41
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.41
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
3:Z:69:LEU:HD23	3:Z:69:LEU:HA	1.66	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:246:PHE:HE2	1:C:248:ARG:CD	2.21	0.41
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.41
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.41
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.41
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.41
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.41
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.41
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.41
1:C:172:CYS:HA	1:C:666:HIS:O	2.19	0.41
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.41
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.46	0.41
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.41
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.41
1:C:503:GLU:CA	1:C:757:THR:HG23	2.50	0.41
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.41
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.41
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:246:PHE:HE2	1:C:248:ARG:CD	2.21	0.41
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.41
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.41
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.41
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.41
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.41
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.41
2:Y:148:ILE:C	2:Y:148:ILE:CD1	2.92	0.41
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.41
3:Z:110:LEU:HD23	3:Z:110:LEU:HA	1.64	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:246:PHE:HE2	1:C:248:ARG:CD	2.21	0.41
1:C:503:GLU:HA	1:C:760:VAL:HG22	1.46	0.41
1:C:506:ALA:C	1:C:763:LYS:HB2	2.45	0.41
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.41
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.41
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.41
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.41
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.41
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.41
2:Y:20:MET:HG2	2:Y:20:MET:H	1.68	0.41
2:Y:20:MET:HE3	2:Y:73:LEU:HD21	1.98	0.41
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.41
1:C:521:ASP:OD2	1:C:525:LYS:CD	2.67	0.41
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.41
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:246:PHE:HE2	1:C:248:ARG:CD	2.21	0.41
1:C:504:GLY:C	1:C:755:LEU:CB	2.86	0.41
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.41
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:161:GLN:HE22	1:C:771:GLU:HG3	1.83	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.41
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.41
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.41
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
1:C:72:ASP:O	1:C:72:ASP:CG	2.62	0.41
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.41
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.41
1:C:530:LEU:HD23	1:C:530:LEU:HA	1.63	0.41
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.41
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.46	0.41
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
2:Y:20:MET:HG2	2:Y:20:MET:H	1.68	0.41
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.55	0.41
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.41
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.41
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.41
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.41
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:806:ILE:HD12	1:C:806:ILE:C	2.45	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.41
1:C:781:ILE:CD1	1:C:781:ILE:C	2.93	0.41
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.32	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:320:ASP:O	1:C:321:ASN:CB	2.66	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.62	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.41
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.41
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.41
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.41
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.41
2:Y:72:PHE:C	2:Y:75:ILE:HD13	2.40	0.41
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.41
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.41
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.41
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.64	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:660:LEU:HA	1:C:660:LEU:HD23	1.63	0.41
1:C:698:GLU:C	1:C:700:ILE:N	2.78	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.41
1:C:113:TYR:OH	1:C:115:TYR:HE2	1.84	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.21	0.41
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.46	0.41
1:C:818:TRP:HZ2	1:C:822:ARG:HH21	1.62	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.41
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.41
1:C:131:ILE:HD12	1:C:131:ILE:C	2.27	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.65	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.41
1:C:801:LEU:HD22	3:Z:21:TRP:CZ3	2.54	0.41
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.41
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.41
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.41
1:C:806:ILE:HD12	1:C:806:ILE:C	2.46	0.41
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.41
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.41
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.41
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.41
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.41
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.41
1:C:755:LEU:HB3	1:C:756:GLY:H	1.47	0.41
3:Z:33:LEU:HD23	3:Z:33:LEU:HA	1.62	0.41
1:C:100:LEU:HD23	1:C:100:LEU:HA	1.63	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
1:C:826:TRP:CZ2	2:Y:72:PHE:CZ	2.98	0.41
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.41
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.41
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.41
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.41
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.65	0.41
2:Y:116:MET:CA	3:Z:20:PHE:CZ	2.89	0.41
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.41
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.41
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.41
1:C:722:ILE:O	1:C:777:ARG:HD2	2.19	0.41
1:C:796:LYS:NZ	3:Z:128:LEU:CD2	2.67	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:85:LEU:CD1	1:C:88:MET:SD	2.93	0.41
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.41
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.41
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.64	0.41
3:Z:57:LYS:CG	3:Z:58:MET:H	2.31	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:124:ASN:ND2	1:C:124:ASN:N	2.62	0.41
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.41
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.41
1:C:595:LEU:CD2	1:C:596:GLU:CG	2.93	0.41
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.41
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.41
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.41
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.41
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.41
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
3:Z:90:PHE:CD2	3:Z:141:TYR:CD2	3.06	0.41
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.41
1:C:506:ALA:HB2	1:C:766:VAL:CG1	0.51	0.41
1:C:506:ALA:N	1:C:763:LYS:N	2.67	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.46	0.41
2:Y:72:PHE:C	2:Y:75:ILE:HD13	2.40	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:507:TRP:CZ3	1:C:706:GLY:HA2	2.55	0.41
1:C:580:LEU:HA	1:C:580:LEU:HD23	1.59	0.41
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.41
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.41
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:671:ILE:O	1:C:671:ILE:HD12	2.21	0.41
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.41
1:C:826:TRP:CZ2	2:Y:72:PHE:CZ	2.98	0.41
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.48	0.41
3:Z:128:LEU:HD23	3:Z:128:LEU:HA	1.61	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.41
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.41
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
1:C:7:ASP:OD1	1:C:7:ASP:N	2.48	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.44	0.41
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:129:LEU:O	1:C:129:LEU:CG	2.68	0.41
1:C:190:ILE:HD12	1:C:219:ILE:HD11	2.00	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.41
1:C:711:LEU:HA	1:C:711:LEU:HD23	1.68	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
2:Y:43:ILE:CG1	2:Y:44:SER:N	2.73	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.41
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:580:LEU:HA	1:C:580:LEU:HD23	1.59	0.41
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.41
1:C:7:ASP:OD1	1:C:7:ASP:N	2.48	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.44	0.41
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.41
1:C:7:ASP:OD1	1:C:7:ASP:N	2.48	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.44	0.41
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.35	0.41
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.41
1:C:129:LEU:O	1:C:129:LEU:CG	2.68	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:190:ILE:HD12	1:C:219:ILE:HD11	2.00	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
3:Z:83:PHE:HZ	3:Z:87:MET:CE	2.28	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:580:LEU:HA	1:C:580:LEU:HD23	1.59	0.41
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.41
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.41
2:Y:132:ALA:HA	2:Y:133:PRO:HD2	1.82	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.41
1:C:129:LEU:O	1:C:129:LEU:CG	2.68	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:276:GLN:N	1:C:276:GLN:CD	2.77	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
1:C:826:TRP:CZ2	2:Y:72:PHE:CZ	2.98	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
1:C:111:LEU:HA	1:C:111:LEU:HD23	1.61	0.41
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.41
1:C:478:ASN:HD22	1:C:478:ASN:HA	1.68	0.41
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.41
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
2:Y:112:LEU:HD23	2:Y:112:LEU:HA	1.63	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:580:LEU:HA	1:C:580:LEU:HD23	1.59	0.41
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.41
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.41
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.41
3:Z:98:GLN:HE21	3:Z:140:LYS:HZ3	1.68	0.41
1:C:7:ASP:OD1	1:C:7:ASP:N	2.48	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.44	0.41
1:C:711:LEU:HA	1:C:711:LEU:HD23	1.68	0.41
1:C:755:LEU:HB3	1:C:756:GLY:H	1.47	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.62	0.41
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.41
1:C:280:ARG:HH22	1:C:283:HIS:CG	2.38	0.41
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.41
1:C:352:THR:HG23	1:C:434:MET:CE	2.44	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:580:LEU:HA	1:C:580:LEU:HD23	1.59	0.41
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.02	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:7:ASP:OD1	1:C:7:ASP:N	2.48	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.44	0.41
1:C:503:GLU:OE2	1:C:759:LYS:HD3	2.20	0.41
1:C:505:ILE:HD12	1:C:506:ALA:N	2.28	0.41
1:C:508:GLU:CG	1:C:751:ALA:HB2	2.49	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:580:LEU:HA	1:C:580:LEU:HD23	1.59	0.41
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:499:GLU:CB	1:C:710:ARG:HB3	2.49	0.41
1:C:580:LEU:HA	1:C:580:LEU:HD23	1.59	0.41
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.41
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.41
2:Y:117:GLY:O	3:Z:24:ARG:N	2.49	0.41
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.41
1:C:7:ASP:OD1	1:C:7:ASP:N	2.48	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.44	0.41
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.35	0.41
1:C:773:MET:N	1:C:776:GLU:CG	2.82	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:506:ALA:CB	1:C:754:ARG:CZ	2.92	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:811:ILE:HA	1:C:814:ASN:CG	2.43	0.41
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.41
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.41
1:C:800:LYS:C	1:C:801:LEU:N	2.77	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.41
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.41
3:Z:111:THR:CA	3:Z:117:LEU:HD12	2.35	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.41
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:586:ASN:HD22	1:C:586:ASN:HA	1.62	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.41
1:C:799:LYS:O	1:C:803:ASP:CG	2.60	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.28	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.51	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.41
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.41
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:552:TYR:CA	1:C:556:MET:CG	2.89	0.41
1:C:580:LEU:HD23	1:C:580:LEU:HA	1.59	0.41
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.41
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.41
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.41
1:C:516:LEU:O	1:C:518:MET:N	2.52	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
2:Y:127:MET:CA	2:Y:130:LYS:HE2	2.47	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.41
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.41
1:C:279:GLU:CD	1:C:279:GLU:O	2.57	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.51	0.41
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.41
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:503:GLU:CD	1:C:711:LEU:C	2.88	0.41
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.41
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.41
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.41
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.41
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.74	0.41
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.41
1:C:12:TYR:HE1	1:C:13:LEU:CG	2.32	0.41
1:C:115:TYR:CE1	1:C:150:PRO:CA	2.95	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:190:ILE:HD12	1:C:219:ILE:HD11	1.99	0.41
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.65	0.41
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.41
1:C:701:ARG:HG3	1:C:705:LYS:HZ2	1.84	0.41
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.41
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.41
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.41
2:Y:117:GLY:O	3:Z:24:ARG:N	2.49	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.41
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.62	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
1:C:505:ILE:C	1:C:505:ILE:HD12	2.45	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:500:TYR:O	1:C:754:ARG:C	2.63	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.41
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
3:Z:128:LEU:HD23	3:Z:128:LEU:HA	1.60	0.41
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.41
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.41
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.41
3:Z:135:LEU:HA	3:Z:135:LEU:HD23	1.64	0.41
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.41
1:C:473:GLU:CG	1:C:597:LYS:HZ3	2.25	0.41
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.41
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.41
1:C:743:LEU:CD1	1:C:762:PHE:CE2	2.82	0.41
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.41
3:Z:111:THR:HG22	3:Z:117:LEU:HD11	2.01	0.41
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.41
1:C:473:GLU:CG	1:C:597:LYS:HZ1	2.05	0.41
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:338:LEU:HD12	1:C:340:PHE:HE2	1.85	0.41
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.41
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.41
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.41
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.41
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.41
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.55	0.41
2:Y:20:MET:HE2	2:Y:73:LEU:HD21	1.96	0.41
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.41
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.41
1:C:542:ALA:CB	1:C:547:PHE:CE2	2.92	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.41
2:Y:104:LEU:HD23	2:Y:104:LEU:HA	1.60	0.41
2:Y:141:TYR:O	2:Y:145:THR:OG1	2.34	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.32	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.41
3:Z:106:LEU:HD23	3:Z:106:LEU:HA	1.60	0.41
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.41
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:722:ILE:CB	1:C:777:ARG:CD	2.99	0.41
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.41
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
2:Y:113:LEU:HD23	2:Y:113:LEU:HA	1.64	0.41
1:C:124:ASN:HA	1:C:125:PRO:HD2	1.95	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.41
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.41
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
1:C:829:LEU:HD23	1:C:829:LEU:HA	1.62	0.41
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.41
1:C:13:LEU:HA	1:C:13:LEU:HD23	1.67	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:162:ASN:CB	1:C:170:GLN:HE22	2.30	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.41
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.41
1:C:582:HIS:HD2	1:C:583:TYR:CG	2.32	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
1:C:234:THR:OG1	1:C:240:SER:OG	2.20	0.41
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.34	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.86	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:669:ARG:HH12	1:C:671:ILE:HG21	1.84	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.41
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.41
1:C:100:LEU:HA	1:C:100:LEU:HD23	1.63	0.41
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.41
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.41
2:Y:53:ASP:OD2	2:Y:54:LYS:CD	2.67	0.41
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.41
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.32	0.41
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.41
1:C:501:LYS:N	1:C:754:ARG:NH1	2.68	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.41
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.54	0.41
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:HA	1:C:125:PRO:HD2	1.95	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:162:ASN:OD1	1:C:767:LEU:O	2.38	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.41
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.41
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.65	0.41
2:Y:116:MET:CA	3:Z:23:GLY:N	2.64	0.41
3:Z:17:LEU:O	3:Z:17:LEU:CD2	2.25	0.41
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.41
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.32	0.41
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.41
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.41
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.32	0.41
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.41
1:C:498:GLU:O	1:C:755:LEU:C	2.62	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.41
3:Z:40:LEU:HA	3:Z:40:LEU:HD23	1.62	0.41
3:Z:135:LEU:HA	3:Z:135:LEU:HD23	1.64	0.41
1:C:124:ASN:HA	1:C:125:PRO:HD2	1.95	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.41
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.41
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.41
1:C:505:ILE:CD1	1:C:755:LEU:N	2.84	0.41
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.41
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
1:C:825:GLN:HE21	2:Y:51:PRO:CG	2.22	0.41
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.41
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.41
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.41
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.32	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:190:ILE:HD12	1:C:219:ILE:HD11	2.00	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
1:C:13:LEU:HA	1:C:13:LEU:HD23	1.66	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:134:ASP:OD1	1:C:134:ASP:N	2.49	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.41
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.46	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.41
1:C:124:ASN:HA	1:C:125:PRO:HD2	1.95	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.41
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.41
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.41
1:C:755:LEU:HA	1:C:755:LEU:HD23	1.69	0.41
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.41
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.41
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.32	0.41
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.41
1:C:500:TYR:CZ	1:C:707:PHE:N	2.84	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.76	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.41
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.64	0.41
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.41
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.41
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.41
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.41
2:Y:104:LEU:HD23	2:Y:104:LEU:HA	1.60	0.41
3:Z:111:THR:CA	3:Z:117:LEU:HD12	2.35	0.41
1:C:124:ASN:HA	1:C:125:PRO:HD2	1.95	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.41
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.41
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.41
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.41
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.41
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.32	0.41
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.41
1:C:500:TYR:CG	1:C:761:PHE:CD2	3.08	0.41
1:C:502:LYS:HG2	1:C:757:THR:C	2.40	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
2:Y:24:PHE:CE2	2:Y:28:ASP:CG	2.98	0.41
1:C:124:ASN:HA	1:C:125:PRO:HD2	1.95	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:168:GLU:HG3	1:C:715:GLU:HG3	2.02	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.41
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.41
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.41
1:C:496:GLU:N	1:C:710:ARG:CZ	2.83	0.41
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.02	0.41
1:C:806:ILE:HD12	1:C:806:ILE:C	2.45	0.41
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.41
1:C:124:ASN:HA	1:C:125:PRO:HD2	1.95	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.41
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.41
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.41
1:C:502:LYS:CG	1:C:713:TYR:CD1	2.90	0.41
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.41
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.41
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.41
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.32	0.41
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.41
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.55	0.41
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.41
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.36	0.41
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.41
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.41
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:291:ASN:HD22	1:C:291:ASN:HA	1.69	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.74	0.41
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.41
1:C:220:ILE:C	1:C:220:ILE:CD1	2.94	0.41
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.34	0.41
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.41
1:C:495:LEU:HD23	1:C:495:LEU:HA	1.65	0.41
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.46	0.41
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:338:LEU:HD12	1:C:340:PHE:HE2	1.85	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
2:Y:20:MET:HG2	2:Y:20:MET:H	1.68	0.41
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:500:TYR:CE2	1:C:707:PHE:CB	2.75	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
2:Y:97:ASP:O	2:Y:97:ASP:OD1	2.38	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.74	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.41
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.41
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.46	0.41
2:Y:65:GLY:HA3	2:Y:66:PRO:HD2	1.82	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.41
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.41
1:C:195:LYS:NZ	3:Z:108:HIS:HB2	2.33	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.41
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.41
1:C:337:ILE:CD1	1:C:337:ILE:C	2.90	0.41
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.41
1:C:60:ILE:CG1	1:C:65:SER:H	2.32	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:380:ALA:C	1:C:383:VAL:CG2	2.82	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.51	0.41
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.41
3:Z:63:LEU:HA	3:Z:64:PRO:HD3	1.91	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.41
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:826:TRP:HZ2	2:Y:72:PHE:CZ	2.29	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.55	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.51	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.41
1:C:800:LYS:O	1:C:804:GLN:N	2.41	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.41
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.41
2:Y:99:GLN:O	3:Z:127:LYS:CG	2.68	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.36	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.41
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.41
1:C:499:GLU:CG	1:C:710:ARG:NH1	2.80	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:314:GLN:CG	1:C:315:GLY:N	2.65	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.41
1:C:137:ILE:C	1:C:137:ILE:CD1	2.93	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.70	0.41
1:C:505:ILE:HA	1:C:755:LEU:HB2	2.01	0.41
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.41
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.41
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.41
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.41
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.41
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.41
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.84	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.41
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.41
1:C:703:CYS:O	1:C:708:PRO:HG3	2.21	0.41
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.55	0.41
2:Y:60:LEU:HA	2:Y:60:LEU:HD23	1.61	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.41
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.41
1:C:773:MET:C	1:C:776:GLU:HB2	2.28	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.21	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.41
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.41
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.41
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:800:LYS:C	1:C:804:GLN:HB2	2.45	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:800:LYS:O	1:C:801:LEU:HD23	2.21	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.41
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.41
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.41
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.71	0.41
1:C:698:GLU:C	1:C:700:ILE:N	2.78	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:129:LEU:O	1:C:129:LEU:CG	2.68	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.41
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.41
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.65	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:505:ILE:C	1:C:505:ILE:HD12	2.45	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:168:GLU:N	1:C:718:GLN:OE1	2.54	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:502:LYS:HA	1:C:757:THR:HG23	2.02	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.21	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:122:VAL:HA	3:Z:125:ILE:HD13	1.96	0.41
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:505:ILE:C	1:C:505:ILE:HD12	2.45	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
2:Y:24:PHE:CE2	2:Y:28:ASP:CG	2.98	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.41
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.41
1:C:796:LYS:HZ1	2:Y:98:GLU:CG	2.33	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.21	0.41
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.21	0.41
1:C:826:TRP:HH2	2:Y:72:PHE:CD1	2.31	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.21	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:170:GLN:O	1:C:171:SER:OG	2.24	0.41
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.41
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.41
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.41
1:C:564:LYS:CG	1:C:565:PRO:CD	2.92	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:505:ILE:C	1:C:505:ILE:HD12	2.45	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.21	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.62	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:505:ILE:C	1:C:505:ILE:HD12	2.45	0.41
1:C:746:LEU:HA	1:C:746:LEU:HD23	1.64	0.41
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.41
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
3:Z:113:LEU:HA	3:Z:113:LEU:HD23	1.67	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:671:ILE:O	1:C:671:ILE:HD12	2.21	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:800:LYS:HE3	1:C:804:GLN:HG3	2.01	0.41
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.41
3:Z:96:GLU:HG2	3:Z:97:GLY:H	1.86	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.21	0.41
1:C:728:ILE:CD1	1:C:728:ILE:C	2.93	0.41
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.41
1:C:799:LYS:C	1:C:801:LEU:H	2.25	0.41
2:Y:127:MET:CA	2:Y:130:LYS:CE	2.84	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.21	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:811:ILE:HA	1:C:814:ASN:CG	2.43	0.41
3:Z:33:LEU:HD23	3:Z:33:LEU:HA	1.63	0.41
1:C:25:THR:O	1:C:26:ALA:HB3	2.19	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.41
1:C:743:LEU:CD1	1:C:762:PHE:CE2	2.82	0.41
2:Y:37:LYS:NZ	2:Y:53:ASP:CA	2.80	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.31	0.41
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.41
1:C:137:ILE:C	1:C:137:ILE:CD1	2.93	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.41
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.41
1:C:190:ILE:HD12	1:C:219:ILE:HD11	1.99	0.41
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.41
1:C:362:LYS:CG	1:C:363:PHE:N	2.82	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
1:C:220:ILE:C	1:C:220:ILE:CD1	2.94	0.41
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.41
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.41
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.41
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.41
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:762:PHE:HB3	1:C:766:VAL:HG23	1.94	0.41
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.41
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.41
1:C:826:TRP:CZ2	2:Y:72:PHE:CZ	2.98	0.41
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.51	0.41
3:Z:106:LEU:HD23	3:Z:106:LEU:HA	1.60	0.41
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.41
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.41
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.41
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.41
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.41
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.41
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.41
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.70	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.55	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:113:TYR:OH	1:C:115:TYR:HE2	1.84	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:257:ILE:O	1:C:257:ILE:CG1	2.50	0.41
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.41
2:Y:37:LYS:NZ	2:Y:53:ASP:CA	2.80	0.41
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.41
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.41
1:C:313:ASN:N	1:C:313:ASN:ND2	2.62	0.41
1:C:337:ILE:HG23	1:C:337:ILE:H	1.62	0.41
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.41
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.55	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.41
1:C:313:ASN:N	1:C:313:ASN:ND2	2.62	0.41
1:C:337:ILE:HG23	1:C:337:ILE:H	1.62	0.41
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.41
1:C:801:LEU:HB2	3:Z:17:LEU:HD11	2.03	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
1:C:137:ILE:C	1:C:137:ILE:CD1	2.93	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:743:LEU:CD1	1:C:762:PHE:CE2	2.82	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
3:Z:33:LEU:HD23	3:Z:33:LEU:HA	1.62	0.41
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:656:LEU:HD23	1:C:656:LEU:HA	1.62	0.41
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:177:GLU:CD	1:C:177:GLU:N	2.73	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:583:TYR:HE1	1:C:584:ALA:CB	2.26	0.41
2:Y:53:ASP:OD2	2:Y:54:LYS:CD	2.67	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:220:ILE:C	1:C:220:ILE:CD1	2.94	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CZ	1:C:340:PHE:CD1	3.07	0.41
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.41
1:C:446:LEU:HD23	1:C:446:LEU:HA	1.70	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
1:C:137:ILE:C	1:C:137:ILE:CD1	2.93	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.41
1:C:313:ASN:N	1:C:313:ASN:ND2	2.62	0.41
1:C:337:ILE:HG23	1:C:337:ILE:H	1.62	0.41
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.41
1:C:794:ILE:HG23	1:C:794:ILE:H	1.65	0.41
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.66	0.41
2:Y:47:LEU:HA	2:Y:47:LEU:HD23	1.64	0.41
2:Y:104:LEU:HD23	2:Y:104:LEU:HA	1.60	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:338:LEU:HD12	1:C:340:PHE:HE2	1.85	0.41
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
3:Z:134:ASP:OD1	3:Z:134:ASP:N	2.49	0.41
1:C:311:PHE:HD1	1:C:312:ILE:HG22	1.78	0.41
1:C:435:PHE:O	1:C:439:VAL:HG13	2.19	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:644:THR:O	1:C:648:VAL:HG12	2.19	0.41
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.74	0.41
3:Z:153:TYR:N	3:Z:154:PRO:HD3	2.33	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:177:GLU:CD	1:C:177:GLU:N	2.73	0.41
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.41
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.41
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.41
1:C:511:ASP:OD1	1:C:511:ASP:N	2.49	0.41
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
1:C:126:TYR:HB3	1:C:679:PRO:HB3	2.01	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.41
3:Z:96:GLU:N	3:Z:96:GLU:CD	2.73	0.41
1:C:137:ILE:C	1:C:137:ILE:CD1	2.93	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:819:LEU:HD23	1:C:819:LEU:HA	1.62	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.41
1:C:313:ASN:N	1:C:313:ASN:ND2	2.62	0.41
1:C:337:ILE:HG23	1:C:337:ILE:H	1.62	0.41
1:C:645:ILE:O	1:C:648:VAL:HG13	2.12	0.41
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.41
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.41
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.41
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.41
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:280:ARG:HH22	1:C:283:HIS:CG	2.38	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.41
1:C:466:ILE:O	1:C:466:ILE:CG1	2.54	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.41
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.41
1:C:770:LEU:HA	1:C:770:LEU:HD23	1.60	0.41
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:103:LEU:HD23	1:C:103:LEU:HA	1.61	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.41
1:C:255:GLY:HA3	3:Z:95:ARG:HD2	2.03	0.41
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.41
1:C:516:LEU:HD23	1:C:516:LEU:HA	1.62	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.41
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.41
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.41
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.41
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.41
1:C:806:ILE:HD12	1:C:806:ILE:C	2.45	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:781:ILE:CD1	1:C:781:ILE:C	2.93	0.41
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.41
1:C:500:TYR:CZ	1:C:707:PHE:N	2.70	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.41
1:C:505:ILE:HG22	1:C:710:ARG:HA	1.44	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
2:Y:53:ASP:OD2	2:Y:54:LYS:CD	2.67	0.41
3:Z:96:GLU:HG2	3:Z:97:GLY:H	1.86	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:355:ILE:C	1:C:357:HIS:H	2.27	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.41
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.41
1:C:781:ILE:CD1	1:C:781:ILE:C	2.93	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
2:Y:117:GLY:O	3:Z:24:ARG:N	2.49	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.41
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.41
1:C:725:PRO:HG2	3:Z:85:ASP:OD2	2.16	0.41
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:313:ASN:N	1:C:313:ASN:ND2	2.62	0.41
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.32	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.41
1:C:802:GLN:NE2	3:Z:17:LEU:CD1	2.81	0.41
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.41
1:C:82:PHE:CD2	1:C:91:MET:SD	3.13	0.41
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.41
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.41
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
2:Y:72:PHE:C	2:Y:75:ILE:HD13	2.40	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.41
1:C:505:ILE:HD13	1:C:767:LEU:HG	2.02	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
1:C:805:ARG:HD3	3:Z:20:PHE:HD2	1.86	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:505:ILE:N	1:C:754:ARG:CZ	2.82	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.41
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:505:ILE:CG1	1:C:762:PHE:C	2.74	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:826:TRP:CZ2	2:Y:72:PHE:CZ	2.98	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:297:ASN:ND2	1:C:297:ASN:N	2.62	0.41
1:C:798:TYR:O	1:C:802:GLN:N	2.50	0.41
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.41
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.41
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:453:ASN:C	3:Z:95:ARG:NH1	2.74	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:73:LEU:HD23	2:Y:73:LEU:HA	1.62	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:177:GLU:CD	1:C:177:GLU:N	2.73	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:595:LEU:CD2	1:C:596:GLU:CG	2.93	0.41
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.41
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.41
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.41
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.41
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.41
1:C:276:GLN:N	1:C:276:GLN:OE1	2.40	0.41
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.41
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.41
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.41
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.41
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.41
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.41
1:C:12:TYR:CE1	1:C:13:LEU:CG	3.03	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.41
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:804:GLN:NE2	1:C:808:LEU:CG	2.82	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.41
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.41
1:C:220:ILE:C	1:C:220:ILE:CD1	2.94	0.41
1:C:221:GLN:CG	1:C:337:ILE:CD1	2.95	0.41
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.41
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.41
1:C:103:LEU:HD23	1:C:103:LEU:HA	1.60	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.96	0.41
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.41
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.41
1:C:103:LEU:HD23	1:C:103:LEU:HA	1.60	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.96	0.41
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:712:ILE:CD1	1:C:715:GLU:CB	2.81	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.41
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.41
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.41
1:C:6:SER:HB3	3:Z:47:GLU:HG2	0.54	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:83:PHE:HZ	3:Z:87:MET:CE	2.28	0.41
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.41
1:C:152:LEU:HD23	1:C:152:LEU:HA	1.61	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.41
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.41
1:C:216:GLU:CG	1:C:217:ASP:N	2.78	0.41
1:C:220:ILE:CG1	1:C:221:GLN:N	2.76	0.41
1:C:275:GLN:HB2	1:C:314:GLN:HG2	1.99	0.41
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.41
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.41
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.41
2:Y:147:MET:HG2	2:Y:147:MET:H	1.68	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
3:Z:90:PHE:CE1	3:Z:106:LEU:HD21	2.43	0.41
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.41
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.41
1:C:711:LEU:HA	1:C:711:LEU:HD23	1.67	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.41
1:C:103:LEU:HD23	1:C:103:LEU:HA	1.60	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.96	0.41
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
1:C:137:ILE:C	1:C:137:ILE:CD1	2.93	0.41
1:C:397:ALA:HB1	1:C:605:ASN:HB3	2.01	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
1:C:115:TYR:HE1	1:C:150:PRO:CB	2.30	0.41
1:C:134:ASP:OD1	1:C:134:ASP:N	2.49	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:702:ILE:HA	1:C:705:LYS:HB2	2.03	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.41
1:C:551:LEU:HA	1:C:551:LEU:HD23	1.63	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.41
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:438:LEU:O	1:C:442:VAL:HG13	2.19	0.41
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.41
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.41
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:220:ILE:C	1:C:220:ILE:CD1	2.94	0.41
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.41
1:C:686:LEU:HA	1:C:686:LEU:HD23	1.61	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.41
1:C:510:ILE:CG1	1:C:510:ILE:O	2.52	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.46	0.41
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.41
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.46	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:85:LEU:N	1:C:85:LEU:HD12	2.32	0.41
1:C:103:LEU:HD23	1:C:103:LEU:HA	1.60	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:282:TYR:CE2	1:C:284:ILE:CG2	2.96	0.41
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:501:LYS:HD3	1:C:755:LEU:HA	2.03	0.41
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
2:Y:65:GLY:HA3	2:Y:66:PRO:HD2	1.82	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.41
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:702:ILE:HA	1:C:705:LYS:HB2	2.03	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
1:C:16:ASP:CG	1:C:84:LYS:HZ2	2.24	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:702:ILE:HA	1:C:705:LYS:HB2	2.03	0.41
2:Y:20:MET:HG2	2:Y:20:MET:H	1.68	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:30:ASP:OD1	2:Y:30:ASP:N	2.49	0.41
2:Y:72:PHE:C	2:Y:75:ILE:HD13	2.40	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
3:Z:96:GLU:HG2	3:Z:97:GLY:H	1.86	0.41
1:C:124:ASN:HD21	1:C:673:PRO:HG3	1.51	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.41
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.59	0.41
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.41
1:C:643:GLN:HG3	1:C:648:VAL:HB	2.01	0.41
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.41
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.41
1:C:536:GLU:OE1	1:C:550:LYS:NZ	2.46	0.41
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.41
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.41
1:C:137:ILE:HG23	1:C:137:ILE:H	1.66	0.41
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:496:GLU:CA	1:C:710:ARG:NH2	2.74	0.41
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.41
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:450:ALA:C	3:Z:100:PHE:CD1	2.74	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:702:ILE:HA	1:C:705:LYS:HB2	2.03	0.41
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.41
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.41
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:713:TYR:HD2	1:C:739:SER:HG	1.66	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.41
1:C:13:LEU:HA	1:C:13:LEU:HD23	1.67	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.41
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.41
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:702:ILE:HA	1:C:705:LYS:HB2	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
1:C:13:LEU:HA	1:C:13:LEU:HD23	1.67	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
2:Y:20:MET:HE3	2:Y:73:LEU:HD21	1.98	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.41
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.41
1:C:124:ASN:HD21	1:C:673:PRO:CB	2.31	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:280:ARG:HH22	1:C:283:HIS:CG	2.39	0.41
1:C:762:PHE:HB3	1:C:766:VAL:HG23	1.94	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
3:Z:128:LEU:HD23	3:Z:128:LEU:HA	1.60	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.41
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:702:ILE:HA	1:C:705:LYS:HB2	2.03	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.41
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.41
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.41
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
2:Y:24:PHE:CE2	2:Y:28:ASP:CG	2.98	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:478:ASN:HD22	1:C:478:ASN:HA	1.68	0.41
1:C:702:ILE:HA	1:C:705:LYS:HB2	2.03	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.41
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:702:ILE:HA	1:C:705:LYS:HB2	2.03	0.41
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.41
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:508:GLU:CG	1:C:751:ALA:CB	2.99	0.41
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.41
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:702:ILE:HA	1:C:705:LYS:HB2	2.03	0.41
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.41
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.41
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:499:GLU:CD	1:C:710:ARG:HB3	2.44	0.41
1:C:702:ILE:HA	1:C:705:LYS:HB2	2.03	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.41
2:Y:106:ILE:CD1	2:Y:106:ILE:C	2.79	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
2:Y:129:PHE:CZ	2:Y:134:VAL:CG2	3.00	0.41
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.41
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.41
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.41
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:118:LEU:HA	1:C:118:LEU:HD23	1.72	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.41
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.41
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
1:C:16:ASP:CG	1:C:84:LYS:HZ2	2.25	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:338:LEU:HD12	1:C:340:PHE:HE2	1.85	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
2:Y:24:PHE:CE2	2:Y:28:ASP:CG	2.98	0.41
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
1:C:32:LYS:HG3	1:C:48:ILE:CD1	2.48	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.49	0.41
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.41
1:C:600:ASP:O	1:C:601:PRO:CB	2.67	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:129:LEU:CD2	1:C:129:LEU:C	2.75	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.41
1:C:495:LEU:HD23	1:C:495:LEU:HA	1.65	0.41
1:C:529:ILE:C	1:C:529:ILE:CD1	2.92	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.41
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.41
1:C:495:LEU:HD23	1:C:495:LEU:HA	1.65	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:529:ILE:C	1:C:529:ILE:CD1	2.92	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
2:Y:99:GLN:CA	3:Z:124:GLU:O	2.45	0.41
2:Y:138:LYS:HE2	3:Z:122:VAL:CG1	2.36	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.41
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.41
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.82	0.41
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.41
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.41
1:C:144:ARG:CZ	1:C:720:TYR:CD1	2.95	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:350:LYS:HZ1	1:C:386:LEU:HD12	1.84	0.41
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
3:Z:110:LEU:HA	3:Z:110:LEU:HD23	1.64	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.41
1:C:705:LYS:O	1:C:706:GLY:C	2.62	0.41
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.41
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:279:GLU:CD	1:C:279:GLU:O	2.57	0.41
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.41
1:C:505:ILE:HD11	1:C:754:ARG:CA	2.43	0.41
1:C:533:LEU:HA	1:C:533:LEU:HD23	1.63	0.41
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.41
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.74	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.41
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.41
1:C:505:ILE:CA	1:C:761:PHE:H	2.34	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
2:Y:132:ALA:HA	2:Y:133:PRO:HD2	1.82	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.41
1:C:495:LEU:HD23	1:C:495:LEU:HA	1.65	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:507:TRP:CA	1:C:754:ARG:HD3	2.50	0.41
1:C:529:ILE:C	1:C:529:ILE:CD1	2.92	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:717:LYS:HZ3	1:C:738:VAL:HG12	1.80	0.41
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
2:Y:24:PHE:CE2	2:Y:28:ASP:CG	2.98	0.41
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.41
2:Y:147:MET:HG2	2:Y:147:MET:H	1.68	0.41
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:113:TYR:HD2	1:C:150:PRO:CA	2.29	0.41
1:C:335:PHE:CZ	1:C:340:PHE:CD1	3.07	0.41
1:C:448:THR:C	1:C:450:ALA:H	2.28	0.41
1:C:516:LEU:C	1:C:520:ILE:HD13	2.45	0.41
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.41
1:C:653:LEU:HA	1:C:653:LEU:HD23	1.64	0.41
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
1:C:12:TYR:CE1	1:C:13:LEU:CG	3.03	0.41
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.41
1:C:507:TRP:HZ3	1:C:707:PHE:CD1	2.39	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.54	0.41
1:C:802:GLN:NE2	3:Z:17:LEU:HD12	2.36	0.41
3:Z:96:GLU:CD	3:Z:96:GLU:N	2.73	0.41
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.41
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:595:LEU:CD2	1:C:596:GLU:CG	2.93	0.41
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.46	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
1:C:38:ASP:OD1	1:C:40:LYS:N	2.47	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.41
1:C:137:ILE:C	1:C:137:ILE:CD1	2.93	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:251:PHE:CB	3:Z:95:ARG:HD2	2.50	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.41
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
3:Z:96:GLU:HG2	3:Z:97:GLY:H	1.85	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:110:LEU:HD23	3:Z:110:LEU:HA	1.64	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.41
1:C:495:LEU:HD23	1:C:495:LEU:HA	1.65	0.41
1:C:529:ILE:C	1:C:529:ILE:CD1	2.92	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.31	0.41
1:C:371:GLN:HE22	1:C:373:GLU:CG	2.30	0.41
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.41
1:C:478:ASN:HD22	1:C:478:ASN:HA	1.68	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.41
3:Z:128:LEU:HD23	3:Z:128:LEU:HA	1.60	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:111:LEU:HD23	1:C:111:LEU:HA	1.62	0.41
1:C:124:ASN:HD21	1:C:673:PRO:CB	2.31	0.41
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:488:PHE:CE2	1:C:492:MET:HE1	2.46	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.41
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.41
1:C:12:TYR:HE1	1:C:131:ILE:CG1	2.24	0.41
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.68	0.41
1:C:104:ARG:CZ	1:C:682:VAL:HG23	2.35	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:473:GLU:OE1	1:C:597:LYS:HE2	2.21	0.41
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:53:ASP:OD2	2:Y:54:LYS:CD	2.66	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.41
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.41
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:190:ILE:HD12	1:C:219:ILE:HD11	2.00	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
3:Z:110:LEU:C	3:Z:117:LEU:HD11	2.34	0.41
1:C:13:LEU:HA	1:C:13:LEU:HD23	1.67	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.41
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.41
1:C:806:ILE:HD12	1:C:806:ILE:C	2.45	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.41
1:C:161:GLN:CG	1:C:775:ASP:HB2	2.32	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.31	0.41
1:C:371:GLN:HE22	1:C:373:GLU:CG	2.30	0.41
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.41
1:C:478:ASN:HD22	1:C:478:ASN:HA	1.68	0.41
1:C:493:PHE:O	1:C:710:ARG:CZ	2.68	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:826:TRP:HZ2	2:Y:72:PHE:CZ	2.29	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:190:ILE:HD12	1:C:219:ILE:HD11	2.00	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.41
1:C:806:ILE:HD12	1:C:806:ILE:C	2.45	0.41
2:Y:117:GLY:O	3:Z:58:MET:SD	2.79	0.41
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:190:ILE:HD12	1:C:219:ILE:HD11	2.00	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.41
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:162:ASN:CB	1:C:170:GLN:HE22	2.30	0.41
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.41
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.31	0.41
1:C:371:GLN:HE22	1:C:373:GLU:CG	2.30	0.41
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.41
1:C:478:ASN:HD22	1:C:478:ASN:HA	1.68	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:162:ASN:CB	1:C:170:GLN:HE22	2.30	0.41
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.02	0.41
2:Y:43:ILE:CG1	2:Y:44:SER:N	2.73	0.41
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.41
1:C:389:ILE:HD12	1:C:389:ILE:C	2.44	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
1:C:702:ILE:HA	1:C:705:LYS:HB2	2.03	0.41
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.41
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.41
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.31	0.41
1:C:371:GLN:HE22	1:C:373:GLU:CG	2.30	0.41
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.41
1:C:478:ASN:HD22	1:C:478:ASN:HA	1.68	0.41
1:C:502:LYS:O	1:C:757:THR:CG2	2.68	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:190:ILE:HD12	1:C:219:ILE:HD11	2.00	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.41
1:C:819:LEU:HD23	1:C:819:LEU:HA	1.62	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
2:Y:115:ASN:N	2:Y:115:ASN:ND2	2.62	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:124:ASN:HD21	1:C:673:PRO:CB	2.31	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:286:TYR:HE2	1:C:317:LEU:HD23	1.84	0.41
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.31	0.41
1:C:371:GLN:HE22	1:C:373:GLU:CG	2.30	0.41
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.41
1:C:478:ASN:HD22	1:C:478:ASN:HA	1.68	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:190:ILE:HD12	1:C:219:ILE:HD11	2.00	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:500:TYR:C	1:C:761:PHE:O	2.62	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.41
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.41
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:53:ASP:OD2	2:Y:54:LYS:CD	2.67	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
3:Z:110:LEU:C	3:Z:117:LEU:HD11	2.34	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.31	0.41
1:C:371:GLN:HE22	1:C:373:GLU:CG	2.30	0.41
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.41
1:C:478:ASN:HD22	1:C:478:ASN:HA	1.68	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:818:TRP:NE1	1:C:822:ARG:NE	2.64	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
3:Z:111:THR:CA	3:Z:117:LEU:HD12	2.35	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:311:PHE:CD2	1:C:355:ILE:HG22	2.55	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.31	0.41
1:C:371:GLN:HE22	1:C:373:GLU:CG	2.30	0.41
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.61	0.41
1:C:478:ASN:HD22	1:C:478:ASN:HA	1.68	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.41
1:C:826:TRP:HZ2	2:Y:72:PHE:CZ	2.29	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.41
3:Z:98:GLN:HE21	3:Z:140:LYS:HZ3	1.69	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:190:ILE:HD12	1:C:219:ILE:HD11	2.00	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:352:THR:HG23	1:C:434:MET:CE	2.44	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.41
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.41
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.32	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:118:LEU:HA	1:C:118:LEU:HD23	1.72	0.41
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.41
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.41
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.41
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.41
1:C:83:GLU:OE2	1:C:84:LYS:CE	2.67	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.55	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.41
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.41
2:Y:37:LYS:NZ	2:Y:53:ASP:CA	2.80	0.41
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.41
3:Z:4:SER:HG	3:Z:7:GLU:HG2	1.84	0.41
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.03	0.41
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.41
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:536:GLU:HG3	1:C:547:PHE:CD1	2.55	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
3:Z:83:PHE:HZ	3:Z:87:MET:CE	2.28	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:220:ILE:CG1	1:C:221:GLN:N	2.76	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.41
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.55	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
2:Y:104:LEU:HD23	2:Y:104:LEU:HA	1.60	0.41
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.03	0.41
3:Z:69:LEU:HA	3:Z:69:LEU:HD23	1.66	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.41
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.41
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.41
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.41
1:C:505:ILE:N	1:C:760:VAL:HA	2.35	0.41
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.41
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.41
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.41
3:Z:83:PHE:CZ	3:Z:87:MET:HE2	2.33	0.41
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:352:THR:HG23	1:C:434:MET:CE	2.44	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.41
1:C:156:ALA:HB1	1:C:192:TYR:CD2	2.34	0.41
1:C:179:GLY:HA3	1:C:237:ASN:HD21	1.83	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.41
1:C:335:PHE:CZ	1:C:340:PHE:CD1	3.07	0.41
1:C:609:LEU:HA	1:C:609:LEU:HD23	1.61	0.41
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.41
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:245:LYS:HB2	1:C:460:ASP:OD1	2.18	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.41
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.51	0.41
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.41
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.41
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:352:THR:HG23	1:C:434:MET:CE	2.44	0.41
1:C:500:TYR:CD1	1:C:761:PHE:HB3	2.54	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
2:Y:93:PHE:HB2	2:Y:141:TYR:CD2	2.53	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.41
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.41
1:C:506:ALA:CB	1:C:753:TYR:CD2	3.01	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.41
1:C:551:LEU:HA	1:C:551:LEU:HD23	1.63	0.41
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.41
2:Y:149:LYS:CG	2:Y:150:GLY:H	2.09	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
1:C:617:LEU:HA	1:C:617:LEU:HD23	1.61	0.41
1:C:698:GLU:C	1:C:700:ILE:N	2.78	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.41
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.41
2:Y:112:LEU:HD23	2:Y:112:LEU:HA	1.63	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.48	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.41
1:C:190:ILE:HD12	1:C:219:ILE:HD11	2.00	0.41
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.41
1:C:276:GLN:N	1:C:276:GLN:OE1	2.40	0.41
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.41
1:C:711:LEU:HA	1:C:711:LEU:HD23	1.68	0.41
2:Y:65:GLY:HA3	2:Y:66:PRO:HD2	1.82	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.41
1:C:438:LEU:CD2	1:C:439:VAL:N	2.80	0.41
1:C:534:GLU:O	1:C:537:CYS:SG	2.56	0.41
1:C:712:ILE:CD1	1:C:715:GLU:CB	2.81	0.41
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.55	0.41
2:Y:24:PHE:CE2	2:Y:28:ASP:CG	2.98	0.41
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.41
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.41
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.41
1:C:142:GLY:O	1:C:774:ARG:CG	2.69	0.41
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.41
1:C:445:THR:C	1:C:446:LEU:CA	2.80	0.41
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.41
1:C:643:GLN:CG	1:C:648:VAL:HB	2.49	0.41
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.41
2:Y:147:MET:HG2	2:Y:147:MET:H	1.69	0.41
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:352:THR:HG23	1:C:434:MET:CE	2.44	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.41
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.41
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.41
2:Y:53:ASP:OD2	2:Y:54:LYS:CD	2.67	0.41
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.74	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:527:MET:O	1:C:532:ILE:CD1	2.64	0.41
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.41
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.41
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
1:C:796:LYS:CE	3:Z:128:LEU:HD11	2.46	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.41
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
1:C:656:LEU:HA	1:C:656:LEU:HD23	1.62	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
1:C:773:MET:H	1:C:773:MET:HG2	1.72	0.41
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:147:GLU:HG2	1:C:771:GLU:HB3	2.00	0.41
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.41
1:C:595:LEU:CD2	1:C:596:GLU:CG	2.93	0.41
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.03	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
1:C:13:LEU:HA	1:C:13:LEU:HD23	1.67	0.41
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:124:ASN:HD21	1:C:673:PRO:CB	2.31	0.41
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.41
1:C:572:ASN:HD22	1:C:572:ASN:HA	1.66	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.41
1:C:691:LEU:HD23	1:C:691:LEU:HA	1.61	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
3:Z:135:LEU:HA	3:Z:135:LEU:HD23	1.64	0.41
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:280:ARG:HH22	1:C:283:HIS:CG	2.39	0.41
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.68	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
1:C:799:LYS:HE3	1:C:806:ILE:CG1	2.45	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.41
1:C:121:ILE:CD1	1:C:121:ILE:O	2.69	0.41
1:C:124:ASN:HD21	1:C:673:PRO:CB	2.31	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:162:ASN:CB	1:C:170:GLN:HE22	2.30	0.41
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.41
1:C:284:ILE:O	1:C:285:PHE:C	2.64	0.41
1:C:503:GLU:HB2	1:C:761:PHE:CE1	2.56	0.41
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.74	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:527:MET:O	1:C:532:ILE:CD1	2.64	0.41
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.41
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.41
1:C:780:LYS:O	1:C:781:ILE:C	2.64	0.41
1:C:781:ILE:CD1	1:C:781:ILE:C	2.93	0.41
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.41
2:Y:37:LYS:NZ	2:Y:53:ASP:CA	2.80	0.41
2:Y:116:MET:CA	3:Z:24:ARG:H	2.33	0.41
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:280:ARG:HH22	1:C:283:HIS:CG	2.39	0.41
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.68	0.41
1:C:509:PHE:CE2	1:C:510:ILE:C	2.97	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
1:C:763:LYS:HG2	1:C:764:ALA:N	2.33	0.41
1:C:771:GLU:O	1:C:771:GLU:OE1	2.38	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
1:C:829:LEU:HA	1:C:829:LEU:HD23	1.62	0.41
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.41
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:280:ARG:HH22	1:C:283:HIS:CG	2.39	0.41
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.68	0.41
1:C:501:LYS:CG	1:C:760:VAL:HG12	2.50	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.41
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:121:ILE:CD1	1:C:121:ILE:O	2.69	0.41
1:C:124:ASN:HD21	1:C:673:PRO:CB	2.31	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:137:ILE:HG23	1:C:137:ILE:H	1.66	0.41
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.41
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.41
1:C:284:ILE:O	1:C:285:PHE:C	2.64	0.41
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.74	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:527:MET:O	1:C:532:ILE:CD1	2.64	0.41
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.41
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
2:Y:40:ILE:CD1	2:Y:40:ILE:C	2.94	0.41
2:Y:65:GLY:HA3	2:Y:66:PRO:HD2	1.82	0.41
2:Y:67:LEU:HD23	2:Y:67:LEU:HA	1.68	0.41
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.41
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:121:ILE:CD1	1:C:121:ILE:O	2.69	0.41
1:C:124:ASN:HD21	1:C:673:PRO:CB	2.31	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:137:ILE:HG23	1:C:137:ILE:H	1.66	0.41
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.41
1:C:284:ILE:O	1:C:285:PHE:C	2.64	0.41
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.41
1:C:529:ILE:HG23	1:C:529:ILE:H	1.65	0.41
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.41
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.41
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.41
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.32	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:128:LEU:HA	3:Z:128:LEU:HD23	1.60	0.41
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.41
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:676:LEU:HA	1:C:676:LEU:HD23	1.68	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
1:C:778:LEU:HA	1:C:778:LEU:HD23	1.63	0.41
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.41
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.41	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
2:Y:40:ILE:CD1	2:Y:40:ILE:C	2.94	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
2:Y:72:PHE:C	2:Y:75:ILE:HD13	2.40	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
3:Z:113:LEU:HA	3:Z:113:LEU:HD23	1.67	0.41
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.74	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:527:MET:O	1:C:532:ILE:CD1	2.64	0.41
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.41
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:280:ARG:HH22	1:C:283:HIS:CG	2.39	0.41
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.68	0.41
1:C:500:TYR:O	1:C:754:ARG:N	2.34	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
1:C:773:MET:H	1:C:773:MET:HG2	1.72	0.41
1:C:833:VAL:HG23	1:C:834:LYS:H	1.80	0.41
2:Y:72:PHE:C	2:Y:75:ILE:HD13	2.40	0.41
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:118:LEU:HD23	1:C:118:LEU:HA	1.72	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:193:LEU:CD1	1:C:251:PHE:CZ	2.83	0.41
1:C:275:GLN:HB2	1:C:314:GLN:HG2	1.99	0.41
1:C:299:VAL:HG23	1:C:300:MET:N	2.36	0.41
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.41
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.41
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.41
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.74	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:527:MET:O	1:C:532:ILE:CD1	2.64	0.41
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.41
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.41
2:Y:53:ASP:OD2	2:Y:54:LYS:CD	2.67	0.41
2:Y:147:MET:HG2	2:Y:147:MET:H	1.68	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:280:ARG:HH22	1:C:283:HIS:CG	2.39	0.41
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.68	0.41
1:C:497:GLN:OE1	1:C:754:ARG:HB3	2.20	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
1:C:723:LEU:HD23	1:C:723:LEU:HA	1.63	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.51	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.74	0.41
1:C:505:ILE:HD13	1:C:751:ALA:O	2.21	0.41
1:C:505:ILE:CG1	1:C:751:ALA:O	2.69	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:527:MET:O	1:C:532:ILE:CD1	2.64	0.41
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.41
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.41
1:C:743:LEU:CD1	1:C:762:PHE:CE2	2.82	0.41
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:796:LYS:HZ1	3:Z:128:LEU:HD22	1.83	0.41
1:C:832:LYS:CE	2:Y:48:GLY:N	2.78	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.03	0.41
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.74	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:527:MET:O	1:C:532:ILE:CD1	2.64	0.41
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.41
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.41
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.41
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.74	0.41
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:280:ARG:HH22	1:C:283:HIS:CG	2.39	0.41
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.68	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:595:LEU:C	1:C:595:LEU:CD2	2.74	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
1:C:786:GLN:NE2	3:Z:117:LEU:CB	2.63	0.41
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.41
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:165:THR:O	1:C:719:ARG:HG2	2.21	0.41
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.41
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.84	0.41
1:C:253:PRO:HG2	3:Z:105:GLU:CG	2.50	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.41
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.41
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.41
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.41
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.41
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.41
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.41
1:C:337:ILE:CD1	1:C:337:ILE:C	2.90	0.41
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:800:LYS:HG3	1:C:804:GLN:CG	2.49	0.41
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.55	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
3:Z:69:LEU:HD23	3:Z:69:LEU:HA	1.66	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:226:LEU:HD23	1:C:226:LEU:HA	1.63	0.41
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:446:LEU:HA	1:C:446:LEU:HD23	1.70	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:572:ASN:HD22	1:C:572:ASN:HA	1.66	0.41
1:C:583:TYR:O	1:C:693:CYS:SG	2.69	0.41
1:C:776:GLU:O	1:C:779:SER:OG	2.32	0.41
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.46	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.41
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.41
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.41
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.41
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.41
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
1:C:799:LYS:O	1:C:802:GLN:CG	2.69	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.41
2:Y:99:GLN:OE1	3:Z:123:ASP:CG	2.60	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.41
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:176:GLY:HA3	1:C:670:CYS:HG	1.63	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.41
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.41
2:Y:99:GLN:HB3	3:Z:127:LYS:CG	2.37	0.41
2:Y:102:LYS:C	2:Y:103:LYS:CG	2.78	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.74	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.03	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.41
3:Z:93:PHE:HZ	3:Z:105:GLU:HG3	1.81	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:113:LEU:HA	3:Z:113:LEU:HD23	1.67	0.41
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.41
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.41
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.41
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.41
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.35	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.74	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.41
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.32	0.41
1:C:12:TYR:CE1	1:C:13:LEU:CG	3.03	0.41
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.41
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.41
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.41
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:507:TRP:HB2	1:C:763:LYS:HA	1.94	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.41
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.41
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.41
1:C:771:GLU:O	1:C:771:GLU:OE1	2.38	0.41
1:C:781:ILE:CD1	1:C:781:ILE:C	2.93	0.41
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.41
2:Y:97:ASP:O	2:Y:97:ASP:OD1	2.38	0.41
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.41
2:Y:148:ILE:C	2:Y:148:ILE:CD1	2.92	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CE1	1:C:13:LEU:CG	3.03	0.41
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.41
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.41
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.41
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.41
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.41
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.41
1:C:780:LYS:O	1:C:781:ILE:C	2.64	0.41
1:C:792:TYR:CE1	2:Y:98:GLU:HB2	2.55	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:83:PHE:HZ	3:Z:87:MET:CE	2.28	0.41
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.41
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.84	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.41
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.41
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.41
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.41
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.41
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.41
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.41
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
2:Y:115:ASN:ND2	2:Y:115:ASN:N	2.62	0.41
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.41
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:91:MET:HE2	1:C:102:ASN:CG	2.46	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:137:ILE:C	1:C:137:ILE:CD1	2.93	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.41
1:C:600:ASP:O	1:C:601:PRO:CB	2.67	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
2:Y:20:MET:HE3	2:Y:73:LEU:HD21	1.98	0.41
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.64	0.41
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
3:Z:96:GLU:HG2	3:Z:97:GLY:H	1.85	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.41
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:134:ASP:OD1	1:C:134:ASP:N	2.49	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.41
1:C:148:ILE:O	1:C:148:ILE:HG12	2.12	0.41
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:190:ILE:HD12	1:C:219:ILE:HD11	1.99	0.41
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.41
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.41
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.41
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.41
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.41
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.41
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.55	0.41
2:Y:37:LYS:NZ	2:Y:53:ASP:CA	2.80	0.41
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
1:C:60:ILE:CD1	1:C:62:ALA:HB3	2.50	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.41
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.41
1:C:518:MET:C	1:C:520:ILE:N	2.77	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.41
1:C:691:LEU:CD2	1:C:696:VAL:HG21	2.36	0.41
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.41
1:C:755:LEU:HB3	1:C:756:GLY:H	1.47	0.41
1:C:770:LEU:HD23	1:C:770:LEU:HA	1.60	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.41
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.46	0.41
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.41
3:Z:128:LEU:C	3:Z:130:ASP:N	2.79	0.41
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.41
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.84	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.41
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.41
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.41
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:505:ILE:HG22	1:C:754:ARG:CB	2.19	0.41
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.41
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.41
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.41
1:C:821:LEU:HD23	1:C:821:LEU:HA	1.62	0.41
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
3:Z:42:ILE:CD1	3:Z:42:ILE:C	2.84	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
1:C:12:TYR:CE1	1:C:13:LEU:CG	3.03	0.41
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.41
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.41
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.41
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:500:TYR:O	1:C:754:ARG:HB2	2.20	0.41
1:C:505:ILE:O	1:C:753:TYR:C	2.63	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.41
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.41
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.41
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.41
1:C:7:ASP:HA	1:C:8:PRO:HD2	1.76	0.41
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.41
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.41
1:C:314:GLN:CD	1:C:314:GLN:N	2.77	0.41
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.41
1:C:366:ARG:HA	1:C:367:PRO:HD2	1.58	0.41
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.41
1:C:572:ASN:HD22	1:C:572:ASN:HA	1.67	0.41
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.41
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.41
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.41
1:C:796:LYS:NZ	3:Z:128:LEU:CD2	2.67	0.41
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.41
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.41
1:C:7:ASP:OD1	1:C:7:ASP:N	2.48	0.41
1:C:100:LEU:HD12	1:C:688:LEU:CB	2.30	0.41
1:C:100:LEU:CG	1:C:688:LEU:HA	2.49	0.41
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.41
1:C:175:THR:OG1	1:C:667:PHE:CE1	2.59	0.41
1:C:216:GLU:CG	1:C:217:ASP:N	2.78	0.41
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:552:TYR:CZ	1:C:556:MET:HB3	2.16	0.41
1:C:579:GLU:CG	1:C:586:ASN:HD21	2.34	0.41
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.41
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.41
3:Z:111:THR:CA	3:Z:117:LEU:HD12	2.35	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:74:ILE:O	1:C:74:ILE:HG13	2.19	0.41
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.41
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.41
1:C:246:PHE:HE2	1:C:248:ARG:CD	2.21	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:464:PHE:CE2	1:C:466:ILE:HG22	2.24	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.41
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.41
1:C:686:LEU:HA	1:C:686:LEU:HD23	1.61	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
1:C:755:LEU:HA	1:C:755:LEU:HD23	1.69	0.41
1:C:776:GLU:O	1:C:779:SER:OG	2.32	0.41
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.41
2:Y:32:ASP:O	2:Y:34:PHE:HD1	2.04	0.41
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.41
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:113:TYR:OH	1:C:115:TYR:HE2	1.83	0.41
1:C:118:LEU:HA	1:C:118:LEU:HD23	1.72	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.41
1:C:337:ILE:CD1	1:C:337:ILE:C	2.90	0.41
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.41
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:129:LEU:HD12	1:C:129:LEU:N	2.31	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.41
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.41
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.83	0.41
1:C:242:ARG:O	1:C:267:LEU:HA	2.20	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:335:PHE:CZ	1:C:340:PHE:CD1	3.07	0.41
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.41
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.41
1:C:530:LEU:HA	1:C:530:LEU:HD23	1.63	0.41
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.41
1:C:579:GLU:HG2	1:C:586:ASN:ND2	2.35	0.41
1:C:717:LYS:O	1:C:721:SER:OG	2.31	0.41
2:Y:80:LEU:HA	2:Y:80:LEU:HD23	1.65	0.41
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.48	0.41
1:C:56:ILE:HD12	1:C:56:ILE:C	2.45	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.41
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.41
1:C:246:PHE:HE2	1:C:248:ARG:CD	2.22	0.41
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.41
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.41
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:812:GLN:HA	2:Y:120:PHE:CZ	2.40	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
3:Z:63:LEU:HA	3:Z:64:PRO:HD3	1.91	0.41
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.41
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.84	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:282:TYR:OH	1:C:285:PHE:HB2	2.17	0.41
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.41
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.41
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.63	0.41
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.41
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.41
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.41
1:C:582:HIS:O	1:C:583:TYR:C	2.62	0.41
1:C:591:ILE:HD13	1:C:591:ILE:H	1.85	0.41
1:C:776:GLU:O	1:C:779:SER:OG	2.32	0.41
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:12:TYR:CE1	1:C:13:LEU:CG	3.03	0.41
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.41
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.41
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.41
1:C:338:LEU:HD23	1:C:338:LEU:HA	1.61	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:505:ILE:HB	1:C:709:SER:HB2	2.03	0.41
1:C:505:ILE:HB	1:C:709:SER:CB	2.51	0.41
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.41
1:C:654:ASN:HD22	1:C:655:LYS:N	2.16	0.41
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:35:VAL:HG21	2:Y:67:LEU:HD12	1.62	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.74	0.41
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.41
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.41
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:798:TYR:CE2	1:C:802:GLN:HG3	2.56	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.41
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.41
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.41
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.41
1:C:153:PHE:CD1	1:C:192:TYR:HB2	2.56	0.41
1:C:266:LEU:HD23	1:C:649:HIS:HE2	1.86	0.41
1:C:773:MET:H	1:C:773:MET:HG2	1.72	0.41
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.41
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.41
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.41
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:121:ILE:CD1	1:C:121:ILE:O	2.69	0.41
1:C:177:GLU:CD	1:C:177:GLU:N	2.73	0.41
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:319:VAL:CG2	1:C:319:VAL:O	2.59	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:583:TYR:HE1	1:C:584:ALA:CB	2.26	0.41
1:C:755:LEU:HA	1:C:755:LEU:HD23	1.69	0.41
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.41
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.41
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.41
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.41
1:C:34:CYS:HG	1:C:35:TRP:H	1.68	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.41
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.41
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:445:THR:C	1:C:446:LEU:CA	2.81	0.41
2:Y:20:MET:HG2	2:Y:20:MET:H	1.68	0.41
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.41
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.41
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.41
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.41
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.41
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.41
1:C:257:ILE:HD13	3:Z:108:HIS:CD2	2.56	0.41
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.41
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.41
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:702:ILE:HG13	1:C:708:PRO:HB3	2.01	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
1:C:805:ARG:HD3	3:Z:17:LEU:CB	2.51	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.51	0.41
1:C:34:CYS:HG	1:C:35:TRP:H	1.68	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.41
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.41
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.41
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:445:THR:C	1:C:446:LEU:CA	2.81	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.41
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.41
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:34:CYS:HG	1:C:35:TRP:H	1.68	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.41
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.41
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.41
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:445:THR:C	1:C:446:LEU:CA	2.81	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:308:LEU:HA	1:C:308:LEU:HD23	1.62	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.41
2:Y:32:ASP:O	2:Y:34:PHE:HD1	2.04	0.41
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.41
3:Z:134:ASP:OD1	3:Z:134:ASP:N	2.49	0.41
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.41
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.41
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.41
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
2:Y:24:PHE:CE2	2:Y:28:ASP:CG	2.98	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
3:Z:18:PHE:HE2	3:Z:28:VAL:HB	1.74	0.41
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.41
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.41
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.41
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.41
1:C:726:ASN:ND2	1:C:726:ASN:C	2.75	0.41
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.41
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.41
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.41
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.41
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:762:PHE:HB3	1:C:766:VAL:HG23	1.94	0.41
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.41
2:Y:24:PHE:CE2	2:Y:28:ASP:CG	2.98	0.41
2:Y:37:LYS:HA	2:Y:56:LEU:HD21	2.01	0.41
1:C:34:CYS:HG	1:C:35:TRP:H	1.68	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.41
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.41
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.41
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:445:THR:C	1:C:446:LEU:CA	2.81	0.41
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.41
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.41
2:Y:53:ASP:OD2	2:Y:54:LYS:CD	2.67	0.41
1:C:13:LEU:HA	1:C:13:LEU:HD23	1.67	0.41
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.41
1:C:246:PHE:HE2	1:C:248:ARG:CD	2.21	0.41
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.41
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.41
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.41
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.41
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.41
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:505:ILE:CD1	1:C:754:ARG:CB	2.49	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
2:Y:112:LEU:HD23	2:Y:112:LEU:HA	1.63	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
1:C:34:CYS:HG	1:C:35:TRP:H	1.68	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.41
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.41
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:445:THR:C	1:C:446:LEU:CA	2.81	0.41
1:C:498:GLU:C	1:C:756:GLY:HA2	2.46	0.41
2:Y:37:LYS:CG	2:Y:56:LEU:CD1	2.95	0.41
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.41
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.41
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.41
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:496:GLU:H	1:C:710:ARG:NH1	2.19	0.41
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.41
1:C:805:ARG:HG3	3:Z:21:TRP:CE3	2.55	0.41
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.41
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.41
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.41
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.41
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.41
1:C:505:ILE:N	1:C:762:PHE:CE2	2.74	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
1:C:34:CYS:HG	1:C:35:TRP:H	1.68	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.41
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.41
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.41
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.41
1:C:439:VAL:O	1:C:442:VAL:CG2	2.66	0.41
1:C:445:THR:C	1:C:446:LEU:CA	2.81	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
1:C:799:LYS:O	1:C:803:ASP:CA	2.38	0.41
2:Y:86:GLU:OE1	2:Y:86:GLU:N	2.35	0.41
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.41
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.41
1:C:771:GLU:O	1:C:771:GLU:OE1	2.38	0.41
1:C:794:ILE:HG23	1:C:794:ILE:H	1.64	0.41
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.41
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
3:Z:128:LEU:C	3:Z:130:ASP:N	2.79	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.41
1:C:445:THR:C	1:C:446:LEU:CA	2.80	0.41
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.41
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.41
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.10	0.41
2:Y:24:PHE:CE2	2:Y:28:ASP:CG	2.98	0.41
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.41
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.41
1:C:275:GLN:HB2	1:C:314:GLN:HG2	1.99	0.41
1:C:282:TYR:CD2	1:C:282:TYR:C	2.99	0.41
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.41
1:C:794:ILE:HG23	1:C:794:ILE:H	1.65	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.41
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.03	0.41
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.41
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.41
1:C:821:LEU:HA	1:C:821:LEU:HD23	1.62	0.41
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.41
3:Z:128:LEU:C	3:Z:130:ASP:N	2.79	0.41
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.41
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
1:C:832:LYS:HE3	2:Y:47:LEU:HD12	1.95	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.41
1:C:172:CYS:HG	1:C:458:VAL:HG13	1.84	0.41
1:C:216:GLU:CG	1:C:217:ASP:N	2.78	0.41
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.41
1:C:507:TRP:CH2	1:C:706:GLY:HA2	2.55	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.41
1:C:350:LYS:HE3	1:C:386:LEU:HB3	1.96	0.41
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.74	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.41
1:C:350:LYS:HE3	1:C:386:LEU:HB3	1.96	0.41
1:C:503:GLU:CD	1:C:759:LYS:CB	2.91	0.41
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.41
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.41
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.41
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.41
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.41
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.41
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.41
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.41
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.41
2:Y:20:MET:HG2	2:Y:20:MET:H	1.68	0.41
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.41
3:Z:134:ASP:OD1	3:Z:134:ASP:N	2.48	0.41
1:C:147:GLU:O	1:C:775:ASP:HB2	2.20	0.41
1:C:282:TYR:CD2	1:C:282:TYR:C	2.99	0.41
1:C:291:ASN:HD22	1:C:291:ASN:HA	1.69	0.41
1:C:446:LEU:HA	1:C:446:LEU:HD23	1.70	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.41
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.41
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.41
1:C:12:TYR:CE1	1:C:13:LEU:CG	3.03	0.41
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.41
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.41
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.41
3:Z:125:ILE:HG23	3:Z:125:ILE:H	1.64	0.41
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.41
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.41
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.41
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.41
1:C:282:TYR:CD2	1:C:282:TYR:C	2.99	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:40:ILE:CD1	2:Y:40:ILE:C	2.94	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
3:Z:83:PHE:HZ	3:Z:87:MET:CE	2.28	0.41
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.41
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.41
1:C:350:LYS:HE3	1:C:386:LEU:HB3	1.96	0.41
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.41
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.41
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.03	0.41
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.41
1:C:12:TYR:CE1	1:C:13:LEU:CG	3.03	0.41
1:C:79:PRO:O	1:C:81:LYS:N	2.54	0.41
1:C:511:ASP:OD1	1:C:511:ASP:N	2.49	0.41
1:C:600:ASP:O	1:C:601:PRO:CB	2.66	0.41
1:C:615:GLU:OE2	1:C:617:LEU:CB	2.54	0.41
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.41
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.41
1:C:140:TYR:CD1	1:C:140:TYR:O	2.64	0.41
1:C:282:TYR:CD2	1:C:282:TYR:C	2.99	0.41
2:Y:106:ILE:CD1	2:Y:106:ILE:C	2.79	0.41
3:Z:36:VAL:O	3:Z:39:CYS:HB2	2.20	0.41
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.41
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.41
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.41
1:C:806:ILE:C	1:C:806:ILE:HD12	2.45	0.41
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.41
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.41
3:Z:96:GLU:HG2	3:Z:97:GLY:H	1.85	0.41
1:C:282:TYR:CD2	1:C:282:TYR:C	2.99	0.41
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.41
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.41
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.41
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.41

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.41
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.41
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.41
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.74	0.41
1:C:12:TYR:CE1	1:C:13:LEU:CG	3.03	0.41
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.41
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.41
1:C:190:ILE:HD13	1:C:219:ILE:HD12	1.95	0.41
1:C:276:GLN:N	1:C:276:GLN:CD	2.78	0.41
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.41
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.41
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.41
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.41
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.41
1:C:780:LYS:O	1:C:781:ILE:C	2.64	0.41
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.41
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.41
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.41
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.41
3:Z:63:LEU:HD23	3:Z:63:LEU:HA	1.67	0.41
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.41
1:C:396:LYS:C	1:C:398:LEU:H	2.27	0.41
1:C:702:ILE:O	1:C:706:GLY:N	2.53	0.41
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.41
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.41
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.41
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.41
1:C:335:PHE:CZ	1:C:345:LYS:CB	2.71	0.41
1:C:350:LYS:HE3	1:C:386:LEU:HB3	1.96	0.41
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.55	0.41
2:Y:108:TYR:HH	3:Z:124:GLU:HA	1.79	0.41
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.41
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.60	0.41
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.40
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.64	0.40
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.40
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.40
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.63	0.40
1:C:828:LYS:O	1:C:831:SER:OG	2.36	0.40
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.40
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.40
1:C:137:ILE:C	1:C:137:ILE:CD1	2.93	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.40
1:C:781:ILE:HD11	3:Z:89:ALA:HB3	1.94	0.40
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.40
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.40
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.40
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.40
1:C:145:LYS:HG3	1:C:158:ASN:HD21	1.83	0.40
1:C:299:VAL:HG23	1:C:300:MET:N	2.36	0.40
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.40
1:C:668:VAL:HG23	1:C:668:VAL:O	2.21	0.40
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.40
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.40
2:Y:65:GLY:HA3	2:Y:66:PRO:HD2	1.82	0.40
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.40
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.40
1:C:162:ASN:CB	1:C:170:GLN:HE22	2.30	0.40
1:C:180:ALA:CB	1:C:670:CYS:HG	2.31	0.40
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.40
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.40
1:C:398:LEU:HA	1:C:398:LEU:HD23	1.64	0.40
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.40
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.40
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.40
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.40
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.40
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.40
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.40
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.40
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.58	0.40
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.40
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.40
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.40
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.40
1:C:503:GLU:HB3	1:C:756:GLY:HA2	2.03	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.40
1:C:778:LEU:HD23	1:C:778:LEU:HA	1.63	0.40
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.40
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.40
1:C:167:ARG:HD2	1:C:722:ILE:HD13	2.02	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.64	0.40
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.40
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.40
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.63	0.40
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.40
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.40
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.40
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.40
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.40
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:503:GLU:HA	1:C:711:LEU:HD23	1.64	0.40
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.40
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.34	0.40
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.40
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.40
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.40
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.40
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.40
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:508:GLU:O	1:C:707:PHE:HE2	2.04	0.40
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.40
1:C:755:LEU:HA	1:C:755:LEU:HD23	1.69	0.40
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.56	0.40
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
2:Y:107:GLU:CD	2:Y:107:GLU:N	2.73	0.40
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.64	0.40
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.40
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.40
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.63	0.40
1:C:709:SER:CB	1:C:710:ARG:N	2.75	0.40
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.40
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.40
1:C:766:VAL:CG2	1:C:767:LEU:N	2.81	0.40
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.51	0.40
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.40
2:Y:23:ALA:C	2:Y:25:SER:N	2.79	0.40
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.40
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.03	0.40
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.40
1:C:299:VAL:HG23	1:C:300:MET:N	2.36	0.40
1:C:475:LEU:HD21	1:C:589:TYR:CZ	2.55	0.40
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.40
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.40
2:Y:115:ASN:N	2:Y:115:ASN:ND2	2.62	0.40
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.40
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.03	0.40
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.40
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.64	0.40
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.40
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.40
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.63	0.40
1:C:773:MET:H	1:C:773:MET:HG2	1.72	0.40
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.40
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.40
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.40
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.40
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.40
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.40
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:505:ILE:CD1	1:C:766:VAL:CB	2.91	0.40
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.40
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.40
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.40
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.40
3:Z:123:ASP:CA	3:Z:126:ILE:CD1	2.85	0.40
1:C:219:ILE:HG13	1:C:220:ILE:CG2	2.47	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.40
1:C:564:LYS:CG	1:C:565:PRO:CD	2.92	0.40
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.40
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.40
2:Y:37:LYS:NZ	2:Y:53:ASP:CA	2.80	0.40
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.40
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.40
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.40
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.64	0.40
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.40
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.40
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.63	0.40
1:C:801:LEU:HD12	3:Z:17:LEU:HD21	2.03	0.40
1:C:826:TRP:CZ2	2:Y:72:PHE:CZ	2.98	0.40
2:Y:52:ASP:O	2:Y:53:ASP:C	2.63	0.40
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.40
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.40
3:Z:117:LEU:HD12	3:Z:117:LEU:N	2.32	0.40
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.40
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.40
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.40
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.40
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:500:TYR:OH	1:C:707:PHE:C	2.60	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:504:GLY:H	1:C:760:VAL:HB	0.99	0.40
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.40
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.40
1:C:832:LYS:CE	2:Y:48:GLY:N	2.77	0.40
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.57	0.40
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.40
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.64	0.40
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.40
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.40
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.63	0.40
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.40
1:C:781:ILE:CD1	1:C:781:ILE:C	2.93	0.40
2:Y:43:ILE:CG1	2:Y:44:SER:N	2.73	0.40
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.40
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.40
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.40
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.64	0.40
1:C:330:LEU:HD23	1:C:330:LEU:HA	1.64	0.40
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.40
1:C:653:LEU:HD23	1:C:653:LEU:HA	1.63	0.40
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.40
1:C:712:ILE:CD1	1:C:715:GLU:CB	2.81	0.40
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.40
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.40
2:Y:112:LEU:HA	2:Y:112:LEU:HD23	1.63	0.40
1:C:12:TYR:CD1	1:C:131:ILE:HB	2.50	0.40
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.40
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.40
1:C:268:GLU:OE2	1:C:271:ARG:HB2	2.17	0.40
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:505:ILE:HD12	1:C:505:ILE:C	2.45	0.40
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.40
1:C:819:LEU:HD23	1:C:819:LEU:HA	1.62	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.40
2:Y:40:ILE:CD1	2:Y:40:ILE:C	2.94	0.40
2:Y:53:ASP:OD2	2:Y:54:LYS:CD	2.67	0.40
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.40
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.40
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.40
1:C:12:TYR:CE1	1:C:13:LEU:CG	3.03	0.40
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.40
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.40
1:C:511:ASP:OD1	1:C:511:ASP:N	2.49	0.40
1:C:564:LYS:CG	1:C:565:PRO:CD	2.92	0.40
1:C:806:ILE:HD12	1:C:806:ILE:C	2.45	0.40
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.40
2:Y:90:ARG:O	2:Y:90:ARG:HG2	2.22	0.40
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.40
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.74	0.40
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.40
1:C:63:ASP:O	1:C:64:SER:CB	2.70	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:282:TYR:CD2	1:C:282:TYR:C	2.99	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.40
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.40
2:Y:72:PHE:C	2:Y:75:ILE:HD13	2.40	0.40
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.40
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.40
3:Z:96:GLU:HG2	3:Z:97:GLY:H	1.85	0.40
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.40
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.40
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.40
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
2:Y:32:ASP:O	2:Y:34:PHE:HD1	2.04	0.40
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.40
1:C:94:LEU:HA	1:C:94:LEU:HD23	1.62	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.40
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.62	0.40
1:C:352:THR:HG23	1:C:434:MET:CE	2.44	0.40
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.40
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.40
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.40
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:63:ASP:O	1:C:64:SER:CB	2.70	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.54	0.40
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.40
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.40
1:C:583:TYR:HE1	1:C:584:ALA:CB	2.26	0.40
1:C:671:ILE:C	1:C:671:ILE:CD1	2.91	0.40
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.40
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.40
3:Z:93:PHE:CZ	3:Z:105:GLU:CD	2.96	0.40
1:C:35:TRP:HD1	1:C:77:MET:CA	2.33	0.40
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.40
1:C:129:LEU:HD12	1:C:129:LEU:N	2.31	0.40
1:C:226:LEU:HD23	1:C:226:LEU:HA	1.63	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:495:LEU:C	1:C:710:ARG:HH12	2.29	0.40
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.40
1:C:729:PRO:HG2	1:C:741:LYS:NZ	2.34	0.40
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.40
3:Z:100:PHE:CD1	3:Z:101:ILE:CA	3.05	0.40
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.40
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.40
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:502:LYS:HE3	1:C:755:LEU:HD22	2.02	0.40
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.40
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.40
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.40
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.40
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.40
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.40
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.40
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:507:TRP:HH2	1:C:706:GLY:HA2	1.85	0.40
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.40
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.40
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.40
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.40
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.40
3:Z:128:LEU:C	3:Z:130:ASP:N	2.79	0.40
1:C:12:TYR:CE1	1:C:13:LEU:CG	3.03	0.40
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.40
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.40
1:C:511:ASP:OD1	1:C:511:ASP:N	2.49	0.40
1:C:564:LYS:CG	1:C:565:PRO:CD	2.92	0.40
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.04	0.40
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.40
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.40
1:C:371:GLN:CG	1:C:372:ALA:H	2.15	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.40
1:C:702:ILE:HA	1:C:705:LYS:HB2	2.03	0.40
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.40
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.40
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.40
1:C:63:ASP:O	1:C:64:SER:CB	2.70	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.40
1:C:282:TYR:CD2	1:C:282:TYR:C	3.00	0.40
1:C:477:ILE:HG23	1:C:477:ILE:H	1.66	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:799:LYS:HG3	1:C:803:ASP:HA	0.85	0.40
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.40
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.62	0.40
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.40
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.40
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.40
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:282:TYR:CE1	1:C:285:PHE:HB2	2.52	0.40
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.40
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.40
2:Y:32:ASP:O	2:Y:34:PHE:HD1	2.05	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.40
1:C:12:TYR:CE1	1:C:13:LEU:CG	3.03	0.40
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.40
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.40
1:C:511:ASP:OD1	1:C:511:ASP:N	2.49	0.40
1:C:564:LYS:CG	1:C:565:PRO:CD	2.92	0.40
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.40
3:Z:8:ILE:HG23	3:Z:8:ILE:H	1.66	0.40
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.40
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.40
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.40
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.40
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	3.00	0.40
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.74	0.40
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.40
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.40
3:Z:11:LEU:HD23	3:Z:11:LEU:HA	1.59	0.40
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.40
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.40
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.40
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.40
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.40
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:564:LYS:CG	1:C:565:PRO:CD	2.92	0.40
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.40
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.40
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.73	0.40
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.40
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.40
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.40
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.40
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.40
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:811:ILE:HA	1:C:814:ASN:CG	2.43	0.40
2:Y:89:ILE:CG1	2:Y:90:ARG:N	2.70	0.40
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.03	0.40
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.40
1:C:63:ASP:O	1:C:64:SER:CB	2.70	0.40
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.40
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.40
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.40
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.40
1:C:773:MET:H	1:C:773:MET:HG2	1.72	0.40
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.40
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.40
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.40
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.40
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.40
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.40
1:C:599:LYS:O	1:C:600:ASP:C	2.47	0.40
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.40
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.40
1:C:144:ARG:CZ	1:C:723:LEU:HD11	2.51	0.40
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.80	0.40
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.40
1:C:220:ILE:CG1	1:C:221:GLN:N	2.76	0.40
1:C:291:ASN:HD22	1:C:291:ASN:HA	1.69	0.40
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.40
1:C:511:ASP:OD1	1:C:511:ASP:N	2.49	0.40
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.40
2:Y:68:ASN:HD22	2:Y:68:ASN:HA	1.59	0.40
2:Y:127:MET:SD	2:Y:130:LYS:NZ	2.77	0.40
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.40
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.40
1:C:12:TYR:CE1	1:C:13:LEU:CG	3.03	0.40
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.40
1:C:386:LEU:HD12	1:C:386:LEU:H	1.74	0.40
1:C:511:ASP:OD1	1:C:511:ASP:N	2.49	0.40
1:C:564:LYS:CG	1:C:565:PRO:CD	2.92	0.40
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.40
1:C:743:LEU:CD1	1:C:762:PHE:CE2	2.82	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.40
1:C:811:ILE:HA	1:C:814:ASN:CG	2.43	0.40
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.40
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.40
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.40
1:C:249:ILE:CD1	1:C:456:ILE:HG22	2.50	0.40
1:C:280:ARG:CG	1:C:286:TYR:OH	2.52	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.40
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.40
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.40
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.57	0.40
3:Z:46:ASN:ND2	3:Z:46:ASN:N	2.61	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.55	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.40
1:C:506:ALA:HB2	1:C:750:PRO:O	2.20	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.40
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.63	0.40
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.40
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.40
1:C:824:TRP:NE1	2:Y:79:LYS:HZ2	2.10	0.40
2:Y:40:ILE:CD1	2:Y:40:ILE:C	2.94	0.40
2:Y:90:ARG:O	2:Y:90:ARG:HG2	2.22	0.40
3:Z:100:PHE:CD1	3:Z:101:ILE:CA	3.05	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:231:ASN:HD22	1:C:241:SER:CA	2.10	0.40
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.40
2:Y:52:ASP:O	2:Y:53:ASP:C	2.62	0.40
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.40
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.56	0.40
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.40
3:Z:128:LEU:C	3:Z:130:ASP:N	2.80	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.40
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:398:LEU:HD23	1:C:398:LEU:HA	1.64	0.40
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.40
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.40
1:C:700:ILE:C	1:C:703:CYS:HG	2.04	0.40
2:Y:43:ILE:H	2:Y:43:ILE:HG23	1.67	0.40
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.40
1:C:91:MET:HE2	1:C:102:ASN:CG	2.46	0.40
1:C:190:ILE:HD12	1:C:219:ILE:HD11	2.00	0.40
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.40
1:C:231:ASN:HD22	1:C:241:SER:CA	2.10	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.40
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.40
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.40
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.40
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.40
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.40
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:668:VAL:HG23	1:C:668:VAL:O	2.21	0.40
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
1:C:763:LYS:CG	1:C:764:ALA:H	2.33	0.40
1:C:794:ILE:HG23	1:C:794:ILE:H	1.64	0.40
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.40
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.40
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.55	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:161:GLN:C	1:C:774:ARG:HH21	2.29	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:161:GLN:HG3	1:C:772:GLU:HA	1.45	0.40
1:C:253:PRO:CA	3:Z:89:ALA:CB	2.94	0.40
1:C:255:GLY:C	3:Z:113:LEU:HD12	2.46	0.40
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.40
1:C:505:ILE:HG21	1:C:754:ARG:HG3	2.02	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.40
3:Z:128:LEU:C	3:Z:130:ASP:N	2.80	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.40
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.40
2:Y:85:SER:O	2:Y:89:ILE:CG2	2.40	0.40
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.40
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.40
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.40
3:Z:100:PHE:CD1	3:Z:101:ILE:CA	3.05	0.40
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.40
1:C:335:PHE:CG	1:C:340:PHE:HB2	2.51	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.40
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.55	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
2:Y:20:MET:HG2	2:Y:20:MET:H	1.68	0.40
2:Y:93:PHE:CZ	2:Y:104:LEU:CD1	3.01	0.40
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.57	0.40
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.40
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.40
2:Y:106:ILE:CA	2:Y:109:ILE:HD13	2.42	0.40
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.40
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.40
1:C:231:ASN:HD22	1:C:241:SER:CA	2.10	0.40
1:C:301:LEU:HA	1:C:301:LEU:HD23	1.62	0.40
2:Y:53:ASP:OD2	2:Y:54:LYS:CD	2.67	0.40
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.40
2:Y:147:MET:HG2	2:Y:147:MET:H	1.68	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.55	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.40
1:C:713:TYR:HD2	1:C:739:SER:HG	1.67	0.40
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.40
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.40
2:Y:80:LEU:HD23	2:Y:80:LEU:HA	1.65	0.40
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.40
3:Z:110:LEU:HD23	3:Z:110:LEU:HA	1.64	0.40
3:Z:128:LEU:C	3:Z:130:ASP:N	2.80	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.40
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.40
2:Y:89:ILE:HD13	2:Y:89:ILE:H	1.87	0.40
2:Y:105:ASN:CB	2:Y:108:TYR:HD1	2.04	0.40
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.40
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.40
1:C:220:ILE:HG13	1:C:221:GLN:H	1.82	0.40
1:C:231:ASN:HD22	1:C:241:SER:CA	2.10	0.40
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.40
1:C:389:ILE:HD12	1:C:389:ILE:C	2.45	0.40
1:C:426:LEU:HA	1:C:426:LEU:HD23	1.63	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:494:ILE:H	1:C:494:ILE:HG23	1.62	0.40
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.40
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.40
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.40
1:C:767:LEU:HA	1:C:767:LEU:HD23	1.63	0.40
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.55	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
1:C:800:LYS:C	1:C:804:GLN:H	2.29	0.40
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.40
2:Y:47:LEU:HA	2:Y:47:LEU:HD23	1.65	0.40
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.40
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:502:LYS:CA	1:C:713:TYR:CE1	3.02	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.40
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.40
3:Z:18:PHE:CZ	3:Z:32:LYS:HB3	2.45	0.40
3:Z:100:PHE:CD1	3:Z:101:ILE:CA	3.05	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.55	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.40
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.40
2:Y:147:MET:HG2	2:Y:147:MET:H	1.69	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.55	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:266:LEU:HD23	1:C:266:LEU:HA	1.70	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
2:Y:32:ASP:O	2:Y:34:PHE:HD1	2.04	0.40
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.40
3:Z:113:LEU:HD23	3:Z:113:LEU:HA	1.67	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.40
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.40
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.40
1:C:728:ILE:CD1	1:C:728:ILE:C	2.93	0.40
2:Y:96:PHE:O	2:Y:96:PHE:CG	2.73	0.40
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.40
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.40
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:478:ASN:HD22	1:C:478:ASN:HA	1.68	0.40
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.40
1:C:707:PHE:HD2	1:C:763:LYS:CA	2.31	0.40
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.40
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.51	0.40
3:Z:22:ASP:OD1	3:Z:22:ASP:N	2.48	0.40
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.40
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.40
1:C:172:CYS:HG	1:C:458:VAL:HA	1.85	0.40
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.40
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.40
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:604:GLU:C	1:C:607:VAL:CG2	2.80	0.40
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.40
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.40
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.67	0.40
2:Y:29:VAL:C	2:Y:31:ARG:N	2.64	0.40
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.40
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.74	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.40
1:C:193:LEU:HD11	1:C:251:PHE:CE2	2.48	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:282:TYR:CZ	1:C:285:PHE:CB	2.91	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.74	0.40
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.40
1:C:579:GLU:CG	1:C:586:ASN:HD21	2.34	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:711:LEU:HA	1:C:711:LEU:HD23	1.68	0.40
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.40
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.67	0.40
2:Y:20:MET:HE3	2:Y:73:LEU:HD21	1.98	0.40
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.40
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.40
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.40
3:Z:18:PHE:HZ	3:Z:32:LYS:CG	2.31	0.40
3:Z:128:LEU:C	3:Z:130:ASP:N	2.80	0.40
1:C:63:ASP:O	1:C:64:SER:CB	2.70	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:129:LEU:HD12	1:C:129:LEU:N	2.31	0.40
1:C:472:PHE:CD1	1:C:594:TRP:CD2	3.06	0.40
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.40
1:C:780:LYS:O	1:C:781:ILE:C	2.64	0.40
1:C:800:LYS:O	1:C:802:GLN:C	2.56	0.40
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.40
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.40
1:C:282:TYR:CD2	1:C:282:TYR:C	3.00	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
2:Y:90:ARG:O	2:Y:90:ARG:HG2	2.22	0.40
2:Y:93:PHE:HE1	2:Y:104:LEU:HD12	1.70	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.40
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.40
1:C:603:ASN:O	1:C:603:ASN:CG	2.65	0.40
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.40
1:C:780:LYS:O	1:C:781:ILE:C	2.64	0.40
1:C:805:ARG:HD3	3:Z:17:LEU:HA	2.03	0.40
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.40
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.40
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.40
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.40
1:C:137:ILE:HG13	1:C:138:ALA:H	1.86	0.40
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:542:ALA:CB	1:C:547:PHE:CE2	2.92	0.40
1:C:698:GLU:C	1:C:700:ILE:N	2.78	0.40
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.40
3:Z:100:PHE:CD1	3:Z:101:ILE:CA	3.05	0.40
3:Z:143:ASP:OD1	3:Z:147:LYS:CE	2.40	0.40
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.40
1:C:137:ILE:HG13	1:C:138:ALA:H	1.86	0.40
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:542:ALA:CB	1:C:547:PHE:CE2	2.92	0.40
1:C:698:GLU:C	1:C:700:ILE:N	2.78	0.40
1:C:755:LEU:HD23	1:C:755:LEU:HA	1.69	0.40
1:C:776:GLU:O	1:C:779:SER:OG	2.32	0.40
1:C:800:LYS:CD	1:C:804:GLN:HB2	2.40	0.40
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.40
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.57	0.40
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.40
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.40
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:478:ASN:HD22	1:C:478:ASN:HA	1.68	0.40
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.40
2:Y:105:ASN:HD22	2:Y:105:ASN:HA	1.63	0.40
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.56	0.40
3:Z:128:LEU:C	3:Z:130:ASP:N	2.79	0.40
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.40
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:156:ALA:HB3	1:C:192:TYR:HE2	1.53	0.40
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.40
1:C:523:ILE:HD11	1:C:530:LEU:CG	2.43	0.40
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.40
1:C:711:LEU:HD23	1:C:711:LEU:HA	1.68	0.40
1:C:773:MET:H	1:C:773:MET:HG2	1.72	0.40
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.40
2:Y:115:ASN:H	2:Y:115:ASN:ND2	2.07	0.40
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.55	0.40
1:C:221:GLN:HB2	1:C:337:ILE:CD1	2.41	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.40
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:603:ASN:O	1:C:603:ASN:CG	2.65	0.40
1:C:796:LYS:NZ	3:Z:128:LEU:CD2	2.67	0.40
1:C:826:TRP:CH2	2:Y:72:PHE:HD1	2.26	0.40
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.40
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.40
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.40
1:C:193:LEU:HD11	1:C:251:PHE:CE2	2.48	0.40
1:C:577:HIS:CE1	1:C:592:THR:CG2	2.97	0.40
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.40
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.03	0.40
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.40
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.40
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:478:ASN:HD22	1:C:478:ASN:HA	1.68	0.40
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.40
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.40
3:Z:87:MET:CE	3:Z:142:GLU:CD	2.92	0.40
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.40
1:C:137:ILE:HG13	1:C:138:ALA:H	1.86	0.40
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:542:ALA:CB	1:C:547:PHE:CE2	2.92	0.40
1:C:698:GLU:C	1:C:700:ILE:N	2.78	0.40
1:C:800:LYS:HG2	1:C:804:GLN:CA	2.49	0.40
1:C:819:LEU:O	1:C:823:ASN:ND2	2.53	0.40
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.40
2:Y:108:TYR:OH	3:Z:118:SER:OG	2.38	0.40
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.40
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.40
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.40
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:267:LEU:HD11	1:C:435:PHE:CG	2.49	0.40
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.40
2:Y:90:ARG:O	2:Y:90:ARG:HG2	2.22	0.40
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.40
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.40
1:C:91:MET:HE2	1:C:102:ASN:CG	2.46	0.40
1:C:153:PHE:CD1	1:C:192:TYR:HB2	2.56	0.40
1:C:266:LEU:HD23	1:C:649:HIS:HE2	1.86	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:464:PHE:HE2	1:C:466:ILE:HG21	1.71	0.40
1:C:473:GLU:OE1	1:C:597:LYS:HE2	2.21	0.40
1:C:522:LEU:O	1:C:529:ILE:CG2	2.63	0.40
1:C:551:LEU:HD23	1:C:551:LEU:HA	1.63	0.40
1:C:648:VAL:HG13	1:C:649:HIS:H	1.84	0.40
1:C:668:VAL:HG23	1:C:668:VAL:O	2.21	0.40
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.40
1:C:681:LEU:HA	1:C:681:LEU:HD23	1.61	0.40
1:C:721:SER:O	1:C:723:LEU:N	2.50	0.40
1:C:722:ILE:H	1:C:722:ILE:HG23	1.68	0.40
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.40
3:Z:46:ASN:O	3:Z:49:VAL:CG2	2.63	0.40
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.54	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.40
1:C:282:TYR:CD2	1:C:282:TYR:C	2.99	0.40
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:511:ASP:OD1	1:C:511:ASP:N	2.49	0.40
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.40
1:C:527:MET:O	1:C:532:ILE:CD1	2.65	0.40
1:C:773:MET:H	1:C:773:MET:HG2	1.72	0.40
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.40
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.40
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:445:THR:C	1:C:446:LEU:CA	2.81	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:786:GLN:NE2	3:Z:117:LEU:HB3	2.15	0.40
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.40
2:Y:32:ASP:O	2:Y:34:PHE:HD1	2.04	0.40
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.40
3:Z:83:PHE:HZ	3:Z:87:MET:CE	2.28	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.54	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:113:TYR:HE1	1:C:120:CYS:CB	2.33	0.40
1:C:216:GLU:CG	1:C:217:ASP:N	2.78	0.40
1:C:365:GLN:CD	1:C:365:GLN:N	2.77	0.40
1:C:505:ILE:CD1	1:C:754:ARG:HD2	2.19	0.40
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.40
2:Y:47:LEU:HA	2:Y:47:LEU:HD23	1.64	0.40
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.40
2:Y:90:ARG:O	2:Y:90:ARG:HG2	2.22	0.40
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.40
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.40
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.40
1:C:113:TYR:HE1	1:C:120:CYS:CB	2.33	0.40
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.40
1:C:234:THR:CG2	1:C:271:ARG:NH1	2.80	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.81	0.40
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.40
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.40
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.57	0.40
3:Z:18:PHE:CD2	3:Z:28:VAL:CG1	2.99	0.40
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.40
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:478:ASN:HD22	1:C:478:ASN:HA	1.68	0.40
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.40
2:Y:146:ALA:O	2:Y:149:LYS:N	2.50	0.40
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.40
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.40
1:C:137:ILE:HG13	1:C:138:ALA:H	1.86	0.40
1:C:308:LEU:HD23	1:C:308:LEU:HA	1.62	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:542:ALA:CB	1:C:547:PHE:CE2	2.92	0.40
1:C:698:GLU:C	1:C:700:ILE:N	2.78	0.40
1:C:828:LYS:O	1:C:831:SER:OG	2.35	0.40
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.29	0.40
2:Y:24:PHE:CE2	2:Y:28:ASP:CG	2.98	0.40
1:C:28:PHE:CZ	1:C:79:PRO:HA	2.57	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:140:TYR:HE2	1:C:153:PHE:O	2.05	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:265:TYR:HE2	1:C:266:LEU:HD12	1.87	0.40
1:C:275:GLN:HB2	1:C:314:GLN:HG2	1.99	0.40
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:548:GLN:OE1	1:C:548:GLN:C	2.64	0.40
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.40
1:C:826:TRP:HZ2	2:Y:72:PHE:CZ	2.29	0.40
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.40
2:Y:112:LEU:HD23	2:Y:112:LEU:HA	1.63	0.40
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.40
2:Y:127:MET:HG2	2:Y:127:MET:H	1.76	0.40
1:C:35:TRP:HD1	1:C:77:MET:CA	2.33	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.40
1:C:134:ASP:OD1	1:C:134:ASP:N	2.49	0.40
1:C:140:TYR:HE2	1:C:153:PHE:O	2.05	0.40
1:C:433:ARG:HH22	1:C:618:VAL:CA	2.19	0.40
1:C:472:PHE:CD1	1:C:594:TRP:CD2	3.05	0.40
1:C:668:VAL:HG23	1:C:668:VAL:O	2.22	0.40
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.40
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.54	0.40
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.40
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:711:LEU:HB2	1:C:760:VAL:HG23	2.00	0.40
1:C:771:GLU:O	1:C:771:GLU:OE1	2.38	0.40
3:Z:83:PHE:HZ	3:Z:87:MET:CE	2.28	0.40
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.40
1:C:85:LEU:C	1:C:85:LEU:CD1	2.78	0.40
1:C:265:TYR:HE2	1:C:266:LEU:HD12	1.87	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.40
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.40
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.40
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:140:TYR:HE2	1:C:153:PHE:O	2.05	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:656:LEU:HD23	1:C:656:LEU:HA	1.62	0.40
2:Y:85:SER:HG	2:Y:88:THR:H	1.60	0.40
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.40
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.40
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.40
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.40
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.40
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.40
1:C:28:PHE:CZ	1:C:79:PRO:HA	2.57	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:140:TYR:HE2	1:C:153:PHE:O	2.05	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:265:TYR:HE2	1:C:266:LEU:HD12	1.87	0.40
1:C:275:GLN:HB2	1:C:314:GLN:HG2	1.99	0.40
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.40
1:C:448:THR:CG2	3:Z:102:SER:OG	2.62	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:548:GLN:OE1	1:C:548:GLN:C	2.64	0.40
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.40
2:Y:93:PHE:HB2	2:Y:141:TYR:CD2	2.53	0.40
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.04	0.40
3:Z:100:PHE:CD1	3:Z:101:ILE:CA	3.05	0.40
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:140:TYR:HE2	1:C:153:PHE:O	2.05	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:656:LEU:HD23	1:C:656:LEU:HA	1.62	0.40
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.40
1:C:808:LEU:HA	1:C:808:LEU:HD23	1.61	0.40
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.40
3:Z:93:PHE:CZ	3:Z:105:GLU:CD	2.96	0.40
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.40
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:140:TYR:HE2	1:C:153:PHE:O	2.05	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:656:LEU:HD23	1:C:656:LEU:HA	1.62	0.40
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.40
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.40
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.40
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.40
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.40
1:C:668:VAL:HG23	1:C:668:VAL:O	2.22	0.40
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.40
2:Y:24:PHE:CE2	2:Y:28:ASP:CG	2.98	0.40
2:Y:37:LYS:HZ1	2:Y:56:LEU:HB3	1.84	0.40
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.40
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.40
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.40
1:C:28:PHE:CZ	1:C:79:PRO:HA	2.57	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:140:TYR:HE2	1:C:153:PHE:O	2.05	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:265:TYR:HE2	1:C:266:LEU:HD12	1.87	0.40
1:C:275:GLN:HB2	1:C:314:GLN:HG2	1.99	0.40
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:548:GLN:OE1	1:C:548:GLN:C	2.64	0.40
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.40
1:C:796:LYS:NZ	3:Z:128:LEU:CD2	2.67	0.40
2:Y:20:MET:HE2	2:Y:73:LEU:HD21	1.96	0.40
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:505:ILE:HD11	1:C:754:ARG:HH21	1.87	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.40
3:Z:58:MET:CG	3:Z:59:GLY:N	2.83	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.40
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.40
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.40
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.40
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.40
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.40
1:C:28:PHE:CZ	1:C:79:PRO:HA	2.57	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:140:TYR:HE2	1:C:153:PHE:O	2.05	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:265:TYR:HE2	1:C:266:LEU:HD12	1.87	0.40
1:C:275:GLN:HB2	1:C:314:GLN:HG2	1.99	0.40
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:500:TYR:HE1	1:C:707:PHE:HB2	1.86	0.40
1:C:548:GLN:OE1	1:C:548:GLN:C	2.64	0.40
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.40
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.03	0.40
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.40
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:140:TYR:HE2	1:C:153:PHE:O	2.05	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:497:GLN:O	1:C:754:ARG:HB2	2.17	0.40
1:C:503:GLU:OE1	1:C:759:LYS:CA	2.69	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:656:LEU:HD23	1:C:656:LEU:HA	1.62	0.40
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.40
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.40
1:C:437:TRP:CG	1:C:440:ARG:NH2	2.90	0.40
1:C:505:ILE:HD11	1:C:754:ARG:HH21	1.87	0.40
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.40
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.40
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.40
1:C:28:PHE:CZ	1:C:79:PRO:HA	2.57	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:140:TYR:HE2	1:C:153:PHE:O	2.05	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:265:TYR:HE2	1:C:266:LEU:HD12	1.87	0.40
1:C:275:GLN:HB2	1:C:314:GLN:HG2	1.99	0.40
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:548:GLN:OE1	1:C:548:GLN:C	2.64	0.40
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.40
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.40
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.40
3:Z:96:GLU:HG2	3:Z:97:GLY:H	1.86	0.40
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:140:TYR:HE2	1:C:153:PHE:O	2.05	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:656:LEU:HD23	1:C:656:LEU:HA	1.62	0.40
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.40
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.40
3:Z:117:LEU:C	3:Z:117:LEU:CD2	2.82	0.40
1:C:28:PHE:CZ	1:C:79:PRO:HA	2.57	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:140:TYR:HE2	1:C:153:PHE:O	2.05	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:265:TYR:HE2	1:C:266:LEU:HD12	1.87	0.40
1:C:275:GLN:HB2	1:C:314:GLN:HG2	1.99	0.40
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:548:GLN:OE1	1:C:548:GLN:C	2.64	0.40
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.40
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.40
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.40
3:Z:11:LEU:CD2	3:Z:68:PHE:HE2	2.24	0.40
1:C:28:PHE:CZ	1:C:79:PRO:HA	2.57	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:140:TYR:HE2	1:C:153:PHE:O	2.05	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:265:TYR:HE2	1:C:266:LEU:HD12	1.87	0.40
1:C:275:GLN:HB2	1:C:314:GLN:HG2	1.99	0.40
1:C:371:GLN:HG2	1:C:372:ALA:N	2.13	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:548:GLN:OE1	1:C:548:GLN:C	2.64	0.40
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:140:TYR:HE2	1:C:153:PHE:O	2.05	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:656:LEU:HD23	1:C:656:LEU:HA	1.62	0.40
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.18	0.40
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.40
2:Y:20:MET:HG2	2:Y:20:MET:H	1.68	0.40
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.40
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.40
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:282:TYR:CD2	1:C:282:TYR:C	3.00	0.40
1:C:505:ILE:HG12	1:C:754:ARG:HG3	0.86	0.40
1:C:529:ILE:C	1:C:529:ILE:CD1	2.92	0.40
1:C:603:ASN:O	1:C:603:ASN:CG	2.65	0.40
1:C:610:LEU:HA	1:C:610:LEU:HD23	1.62	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.40
1:C:826:TRP:HZ2	2:Y:72:PHE:CZ	2.29	0.40
2:Y:32:ASP:O	2:Y:34:PHE:HD1	2.05	0.40
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.40
2:Y:127:MET:HG2	2:Y:127:MET:H	1.75	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.54	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:113:TYR:OH	1:C:115:TYR:HE2	1.84	0.40
1:C:137:ILE:HG13	1:C:138:ALA:H	1.86	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.40
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.40
1:C:579:GLU:HG2	1:C:586:ASN:HD21	1.87	0.40
1:C:603:ASN:O	1:C:603:ASN:CG	2.65	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:643:GLN:NE2	1:C:648:VAL:HB	2.35	0.40
1:C:702:ILE:O	1:C:706:GLY:N	2.54	0.40
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.40
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.40
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.55	0.40
1:C:216:GLU:CG	1:C:217:ASP:N	2.78	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.40
1:C:603:ASN:O	1:C:603:ASN:CG	2.65	0.40
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.40
3:Z:100:PHE:CD1	3:Z:101:ILE:CA	3.05	0.40
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
2:Y:109:ILE:H	2:Y:109:ILE:HG23	1.66	0.40
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.40
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.22	0.40
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.40
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.40
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.21	0.40
1:C:579:GLU:HG2	1:C:586:ASN:HD21	1.87	0.40
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.40
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.40
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.40
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.40
1:C:13:LEU:HD12	1:C:131:ILE:CD1	2.39	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.54	0.40
1:C:113:TYR:HD2	1:C:150:PRO:C	2.16	0.40
1:C:338:LEU:HA	1:C:338:LEU:HD23	1.61	0.40
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:506:ALA:HB3	1:C:754:ARG:CZ	2.51	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.40
1:C:691:LEU:O	1:C:696:VAL:CG2	2.55	0.40
1:C:801:LEU:HA	1:C:801:LEU:HD23	1.66	0.40
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.40
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.40
1:C:16:ASP:CG	1:C:84:LYS:HZ2	2.23	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:107:TYR:HD1	1:C:123:VAL:CG2	2.35	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.40
1:C:507:TRP:CE3	1:C:707:PHE:HA	2.57	0.40
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.40
1:C:713:TYR:HD2	1:C:739:SER:HG	1.69	0.40
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:722:ILE:CG1	1:C:777:ARG:HD2	2.51	0.40
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.40
1:C:796:LYS:HZ1	3:Z:128:LEU:HD22	1.81	0.40
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.40
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.56	0.40
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.40
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.40
1:C:16:ASP:CG	1:C:84:LYS:HZ2	2.23	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:107:TYR:HD1	1:C:123:VAL:CG2	2.35	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.40
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.40
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.56	0.40
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:282:TYR:CD2	1:C:282:TYR:C	3.00	0.40
1:C:529:ILE:C	1:C:529:ILE:CD1	2.92	0.40
1:C:603:ASN:O	1:C:603:ASN:CG	2.65	0.40
1:C:610:LEU:HA	1:C:610:LEU:HD23	1.62	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
2:Y:97:ASP:OD1	2:Y:101:THR:N	2.47	0.40
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.40
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.40
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.40
1:C:6:SER:HB3	3:Z:47:GLU:H	1.85	0.40
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.40
1:C:338:LEU:HD12	1:C:340:PHE:CE2	2.57	0.40
1:C:473:GLU:OE1	1:C:597:LYS:HE2	2.21	0.40
1:C:579:GLU:CG	1:C:586:ASN:HD21	2.35	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.40
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.40
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.40
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:118:LEU:HA	1:C:118:LEU:HD23	1.72	0.40
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.40
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:579:GLU:HG2	1:C:586:ASN:HD21	1.87	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.40
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.40
1:C:113:TYR:CE2	1:C:115:TYR:OH	2.70	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:293:ILE:HA	1:C:294:PRO:HD2	1.90	0.40
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.40
1:C:472:PHE:CD1	1:C:594:TRP:CD2	3.06	0.40
1:C:497:GLN:CA	1:C:500:TYR:HD2	2.31	0.40
1:C:563:THR:CG2	1:C:579:GLU:OE2	2.63	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:826:TRP:CZ2	2:Y:72:PHE:CZ	2.98	0.40
2:Y:40:ILE:H	2:Y:40:ILE:HG23	1.64	0.40
2:Y:65:GLY:HA3	2:Y:66:PRO:HD2	1.82	0.40
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.40
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:282:TYR:CD2	1:C:282:TYR:C	3.00	0.40
1:C:529:ILE:C	1:C:529:ILE:CD1	2.92	0.40
1:C:603:ASN:O	1:C:603:ASN:CG	2.65	0.40
1:C:610:LEU:HA	1:C:610:LEU:HD23	1.62	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.40
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.40
1:C:805:ARG:HD3	3:Z:17:LEU:HA	2.03	0.40
3:Z:90:PHE:CE1	3:Z:101:ILE:HD12	2.55	0.40
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.40
1:C:16:ASP:CG	1:C:84:LYS:HZ2	2.23	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:107:TYR:HD1	1:C:123:VAL:CG2	2.35	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.40
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.40
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.40
3:Z:42:ILE:HD13	3:Z:44:PRO:CD	1.93	0.40
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.40
1:C:63:ASP:O	1:C:64:SER:CB	2.70	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:107:TYR:HD1	1:C:123:VAL:CG2	2.35	0.40
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.40
1:C:282:TYR:CD2	1:C:282:TYR:C	3.00	0.40
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.40
1:C:582:HIS:CD2	1:C:583:TYR:CD1	3.08	0.40
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.40
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.40
1:C:794:ILE:HG21	3:Z:38:ARG:HD3	2.01	0.40
2:Y:47:LEU:HD23	2:Y:47:LEU:HA	1.65	0.40
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.40
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.40
1:C:113:TYR:CE2	1:C:150:PRO:CB	3.00	0.40
1:C:124:ASN:HD21	1:C:673:PRO:CB	2.31	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.64	0.40
1:C:366:ARG:NH1	1:C:368:ARG:NE	2.40	0.40
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.40
1:C:439:VAL:CG2	1:C:440:ARG:N	2.85	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.40
1:C:743:LEU:HD23	1:C:743:LEU:HA	1.63	0.40
1:C:786:GLN:O	1:C:789:ILE:CG1	2.61	0.40
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.40
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.49	0.40
1:C:107:TYR:HD1	1:C:123:VAL:CG2	2.35	0.40
1:C:113:TYR:HE1	1:C:120:CYS:CB	2.33	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.40
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40
1:C:514:MET:HE2	1:C:514:MET:HB3	1.82	0.40
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.40
1:C:796:LYS:NZ	3:Z:128:LEU:CD2	2.67	0.40
2:Y:37:LYS:HZ3	2:Y:53:ASP:CA	2.34	0.40
2:Y:53:ASP:OD2	2:Y:54:LYS:CD	2.67	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.54	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:137:ILE:HG13	1:C:138:ALA:H	1.86	0.40
1:C:172:CYS:HG	1:C:458:VAL:HA	1.85	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.64	0.40
1:C:289:CYS:SG	1:C:306:SER:CB	2.94	0.40
1:C:345:LYS:CE	1:C:349:PHE:HE2	2.33	0.40
1:C:437:TRP:CH2	1:C:620:GLU:CG	3.05	0.40
1:C:603:ASN:O	1:C:603:ASN:CG	2.65	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:610:LEU:HA	1:C:610:LEU:HD23	1.62	0.40
2:Y:80:LEU:HA	2:Y:80:LEU:HD23	1.65	0.40
2:Y:127:MET:SD	2:Y:130:LYS:NZ	2.77	0.40
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.40
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.40
1:C:137:ILE:C	1:C:137:ILE:CD1	2.93	0.40
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.40
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.40
1:C:579:GLU:CG	1:C:586:ASN:HD21	2.35	0.40
1:C:826:TRP:CH2	2:Y:72:PHE:CE1	2.87	0.40
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.40
3:Z:87:MET:CE	3:Z:142:GLU:CD	2.93	0.40
1:C:16:ASP:CG	1:C:84:LYS:HZ2	2.22	0.40
1:C:63:ASP:O	1:C:64:SER:CB	2.70	0.40
1:C:437:TRP:CH2	1:C:620:GLU:CG	3.05	0.40
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40
3:Z:134:ASP:OD1	3:Z:134:ASP:N	2.49	0.40
1:C:72:ASP:O	1:C:72:ASP:CG	2.61	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:282:TYR:CD2	1:C:282:TYR:C	3.00	0.40
1:C:529:ILE:C	1:C:529:ILE:CD1	2.92	0.40
1:C:603:ASN:O	1:C:603:ASN:CG	2.65	0.40
1:C:610:LEU:HA	1:C:610:LEU:HD23	1.62	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
2:Y:70:THR:C	2:Y:72:PHE:N	2.77	0.40
2:Y:101:THR:CG2	3:Z:122:VAL:O	2.42	0.40
2:Y:148:ILE:C	2:Y:148:ILE:CD1	2.92	0.40
1:C:16:ASP:CG	1:C:84:LYS:HZ2	2.23	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:107:TYR:HD1	1:C:123:VAL:CG2	2.35	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.40
1:C:689:HIS:CD2	1:C:689:HIS:O	2.74	0.40
1:C:772:GLU:C	1:C:776:GLU:HG2	2.47	0.40
2:Y:93:PHE:CE2	2:Y:104:LEU:HG	2.53	0.40
3:Z:4:SER:OG	3:Z:7:GLU:HG3	2.17	0.40
1:C:11:GLN:OE1	1:C:11:GLN:C	2.65	0.40
1:C:35:TRP:HD1	1:C:77:MET:CA	2.33	0.40
1:C:121:ILE:CD1	1:C:121:ILE:O	2.69	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40
1:C:582:HIS:HD2	1:C:583:TYR:CG	2.32	0.40
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.40
1:C:796:LYS:HZ3	3:Z:128:LEU:HD22	1.82	0.40
2:Y:106:ILE:CG2	2:Y:137:GLY:O	2.65	0.40
1:C:11:GLN:C	1:C:11:GLN:OE1	2.65	0.40
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.40
1:C:225:VAL:O	1:C:229:TYR:CD1	2.61	0.40
1:C:265:TYR:HE2	1:C:266:LEU:HD12	1.87	0.40
1:C:299:VAL:HG23	1:C:300:MET:N	2.36	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:746:LEU:HD23	1:C:746:LEU:HA	1.64	0.40
1:C:86:GLU:HA	1:C:106:ARG:NH1	2.36	0.40
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:371:GLN:HE22	1:C:373:GLU:CG	2.30	0.40
1:C:437:TRP:CH2	1:C:620:GLU:CG	3.05	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
3:Z:100:PHE:CD1	3:Z:101:ILE:CA	3.05	0.40
1:C:12:TYR:CE1	1:C:13:LEU:CG	3.03	0.40
1:C:85:LEU:HD21	1:C:88:MET:CA	2.52	0.40
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.40
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:153:PHE:CD1	1:C:192:TYR:HB2	2.56	0.40
1:C:350:LYS:CE	1:C:386:LEU:CA	2.49	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:702:ILE:HA	1:C:705:LYS:HB2	2.03	0.40
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.40
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.40
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.57	0.40
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.40
1:C:28:PHE:CZ	1:C:79:PRO:HA	2.57	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.22	0.40
1:C:129:LEU:O	1:C:129:LEU:CG	2.68	0.40
1:C:437:TRP:CG	1:C:440:ARG:NH2	2.90	0.40
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.40
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.40
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
1:C:712:ILE:O	1:C:712:ILE:CG1	2.56	0.40
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.40
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.40
1:C:32:LYS:CG	1:C:48:ILE:HD13	2.48	0.40
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:265:TYR:HE2	1:C:266:LEU:HD12	1.87	0.40
1:C:548:GLN:OE1	1:C:548:GLN:C	2.64	0.40
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.40
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.40
1:C:780:LYS:O	1:C:781:ILE:C	2.64	0.40
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.40
2:Y:23:ALA:C	2:Y:25:SER:N	2.79	0.40
1:C:11:GLN:OE1	1:C:11:GLN:C	2.65	0.40
1:C:35:TRP:HD1	1:C:77:MET:CA	2.33	0.40
1:C:121:ILE:CD1	1:C:121:ILE:O	2.69	0.40
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:161:GLN:C	1:C:771:GLU:C	2.87	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40
1:C:582:HIS:HD2	1:C:583:TYR:CG	2.32	0.40
2:Y:32:ASP:O	2:Y:34:PHE:HD1	2.04	0.40
1:C:28:PHE:CZ	1:C:79:PRO:HA	2.57	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.22	0.40
1:C:129:LEU:O	1:C:129:LEU:CG	2.68	0.40
1:C:437:TRP:CG	1:C:440:ARG:NH2	2.90	0.40
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.40
1:C:497:GLN:HG3	1:C:751:ALA:O	2.22	0.40
1:C:499:GLU:C	1:C:761:PHE:CD2	2.94	0.40
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.40
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.40
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.40
2:Y:107:GLU:HB3	3:Z:119:ASP:OD2	2.21	0.40
2:Y:127:MET:SD	2:Y:130:LYS:NZ	2.77	0.40
1:C:28:PHE:CZ	1:C:79:PRO:HA	2.57	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.22	0.40
1:C:129:LEU:O	1:C:129:LEU:CG	2.68	0.40
1:C:437:TRP:CG	1:C:440:ARG:NH2	2.90	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.40
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.40
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.40
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
1:C:796:LYS:HE2	3:Z:128:LEU:HD11	1.99	0.40
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.40
2:Y:113:LEU:HD23	2:Y:113:LEU:HA	1.65	0.40
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.40
3:Z:28:VAL:O	3:Z:63:LEU:N	2.52	0.40
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.40
1:C:11:GLN:C	1:C:11:GLN:OE1	2.65	0.40
1:C:35:TRP:HD1	1:C:77:MET:CA	2.33	0.40
1:C:505:ILE:HD11	1:C:754:ARG:HH21	1.87	0.40
1:C:548:GLN:OE1	1:C:548:GLN:C	2.64	0.40
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.40
1:C:746:LEU:HD23	1:C:746:LEU:HA	1.64	0.40
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.40
2:Y:37:LYS:NZ	2:Y:53:ASP:CA	2.80	0.40
3:Z:100:PHE:CD1	3:Z:101:ILE:CA	3.05	0.40
1:C:11:GLN:OE1	1:C:11:GLN:C	2.65	0.40
1:C:35:TRP:HD1	1:C:77:MET:CA	2.33	0.40
1:C:121:ILE:CD1	1:C:121:ILE:O	2.69	0.40
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40
1:C:582:HIS:HD2	1:C:583:TYR:CG	2.32	0.40
1:C:794:ILE:HG23	1:C:794:ILE:H	1.65	0.40
3:Z:113:LEU:HA	3:Z:113:LEU:HD23	1.67	0.40
1:C:11:GLN:C	1:C:11:GLN:OE1	2.65	0.40
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.22	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.40
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.40
1:C:548:GLN:OE1	1:C:548:GLN:C	2.64	0.40
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.40
1:C:668:VAL:HG23	1:C:668:VAL:O	2.22	0.40
1:C:742:ILE:CD1	1:C:742:ILE:C	2.91	0.40
1:C:785:PHE:CG	3:Z:86:TYR:CD2	3.07	0.40
2:Y:90:ARG:O	2:Y:90:ARG:HG2	2.22	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:96:GLU:HG2	3:Z:97:GLY:H	1.86	0.40
3:Z:128:LEU:C	3:Z:130:ASP:N	2.80	0.40
1:C:11:GLN:OE1	1:C:11:GLN:C	2.65	0.40
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.40
1:C:140:TYR:HE2	1:C:153:PHE:O	2.05	0.40
1:C:153:PHE:CD1	1:C:192:TYR:HB2	2.56	0.40
1:C:265:TYR:CZ	1:C:649:HIS:HB3	2.50	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:664:HIS:N	1:C:665:PRO:HD3	2.21	0.40
1:C:668:VAL:HG23	1:C:668:VAL:O	2.21	0.40
1:C:711:LEU:HA	1:C:711:LEU:HD23	1.68	0.40
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.18	0.40
2:Y:20:MET:HG2	2:Y:20:MET:H	1.68	0.40
2:Y:89:ILE:HD13	2:Y:89:ILE:H	1.87	0.40
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.40
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.40
1:C:11:GLN:OE1	1:C:11:GLN:C	2.65	0.40
1:C:35:TRP:HD1	1:C:77:MET:CA	2.33	0.40
1:C:121:ILE:CD1	1:C:121:ILE:O	2.69	0.40
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40
1:C:506:ALA:N	1:C:754:ARG:CA	2.77	0.40
1:C:582:HIS:HD2	1:C:583:TYR:CG	2.32	0.40
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.40
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.40
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.40
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.40
2:Y:132:ALA:HA	2:Y:133:PRO:HD2	1.82	0.40
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.40
1:C:28:PHE:CZ	1:C:79:PRO:HA	2.57	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.22	0.40
1:C:129:LEU:O	1:C:129:LEU:CG	2.68	0.40
1:C:437:TRP:CG	1:C:440:ARG:NH2	2.90	0.40
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.40
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.40
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
2:Y:32:ASP:O	2:Y:34:PHE:HD1	2.04	0.40
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.40
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.40
1:C:11:GLN:OE1	1:C:11:GLN:C	2.65	0.40
1:C:129:LEU:O	1:C:129:LEU:CG	2.68	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:479:TYR:OH	1:C:524:GLU:HG3	2.21	0.40
1:C:503:GLU:O	1:C:757:THR:CG2	2.53	0.40
2:Y:90:ARG:O	2:Y:90:ARG:HG2	2.22	0.40
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.40
3:Z:119:ASP:OD1	3:Z:119:ASP:N	2.49	0.40
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.40
1:C:11:GLN:OE1	1:C:11:GLN:C	2.65	0.40
1:C:35:TRP:HD1	1:C:77:MET:CA	2.33	0.40
1:C:121:ILE:CD1	1:C:121:ILE:O	2.69	0.40
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40
1:C:582:HIS:HD2	1:C:583:TYR:CG	2.32	0.40
1:C:832:LYS:HZ1	2:Y:47:LEU:C	2.28	0.40
2:Y:23:ALA:C	2:Y:25:SER:N	2.79	0.40
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.40
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.56	0.40
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.40
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.40
1:C:28:PHE:CZ	1:C:79:PRO:HA	2.57	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.22	0.40
1:C:129:LEU:O	1:C:129:LEU:CG	2.68	0.40
1:C:437:TRP:CG	1:C:440:ARG:NH2	2.90	0.40
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.40
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.40
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.40
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
1:C:780:LYS:O	1:C:781:ILE:C	2.65	0.40
1:C:801:LEU:HB2	3:Z:17:LEU:HD11	2.00	0.40
2:Y:90:ARG:O	2:Y:90:ARG:HG2	2.22	0.40
1:C:11:GLN:OE1	1:C:11:GLN:C	2.65	0.40
1:C:35:TRP:HD1	1:C:77:MET:CA	2.33	0.40
1:C:121:ILE:CD1	1:C:121:ILE:O	2.69	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40
1:C:582:HIS:HD2	1:C:583:TYR:CG	2.32	0.40
1:C:826:TRP:CZ2	2:Y:72:PHE:HE1	2.15	0.40
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.02	0.40
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.71	0.40
3:Z:83:PHE:CE1	3:Z:87:MET:SD	3.07	0.40
1:C:11:GLN:OE1	1:C:11:GLN:C	2.65	0.40
1:C:35:TRP:HD1	1:C:77:MET:CA	2.33	0.40
1:C:121:ILE:CD1	1:C:121:ILE:O	2.69	0.40
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:419:VAL:HG23	1:C:420:VAL:HG13	2.02	0.40
1:C:582:HIS:HD2	1:C:583:TYR:CG	2.32	0.40
1:C:810:VAL:CG2	1:C:811:ILE:N	2.51	0.40
1:C:28:PHE:CZ	1:C:79:PRO:HA	2.57	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.22	0.40
1:C:129:LEU:O	1:C:129:LEU:CG	2.68	0.40
1:C:437:TRP:CG	1:C:440:ARG:NH2	2.90	0.40
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.40
1:C:603:ASN:ND2	1:C:603:ASN:N	2.62	0.40
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.40
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.40
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:107:TYR:HD1	1:C:123:VAL:CG2	2.35	0.40
1:C:162:ASN:CB	1:C:170:GLN:HE22	2.31	0.40
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.40
1:C:254:THR:HB	3:Z:108:HIS:HB3	1.96	0.40
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.40
1:C:437:TRP:CH2	1:C:620:GLU:CG	3.05	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.40
1:C:780:LYS:O	1:C:781:ILE:C	2.64	0.40
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.40
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.40
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.40
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.40
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.40
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.40
1:C:610:LEU:HA	1:C:610:LEU:HD23	1.63	0.40
1:C:811:ILE:CD1	1:C:811:ILE:C	2.87	0.40
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.40
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.40
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.40
1:C:698:GLU:C	1:C:700:ILE:N	2.78	0.40
3:Z:58:MET:C	3:Z:60:GLU:H	2.25	0.40
1:C:85:LEU:HD21	1:C:88:MET:CG	2.51	0.40
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.40
1:C:137:ILE:C	1:C:137:ILE:CD1	2.93	0.40
1:C:190:ILE:HG23	1:C:190:ILE:H	1.65	0.40
1:C:246:PHE:HE2	1:C:248:ARG:CD	2.22	0.40
1:C:280:ARG:CG	1:C:281:ASN:H	2.29	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.21	0.40
1:C:579:GLU:CG	1:C:586:ASN:HD21	2.34	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.40
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.40
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.40
2:Y:32:ASP:O	2:Y:34:PHE:HD1	2.05	0.40
1:C:123:VAL:O	1:C:123:VAL:CG2	2.70	0.40
1:C:190:ILE:HD12	1:C:219:ILE:HD11	1.99	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:437:TRP:CH2	1:C:620:GLU:CG	3.05	0.40
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.40
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.40
2:Y:121:ASN:H	2:Y:124:GLU:HB2	1.85	0.40
3:Z:128:LEU:C	3:Z:130:ASP:N	2.79	0.40
1:C:63:ASP:O	1:C:64:SER:CB	2.70	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:286:TYR:HH	1:C:312:ILE:HD12	1.81	0.40
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.70	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.40
1:C:548:GLN:C	1:C:548:GLN:OE1	2.64	0.40
1:C:554:ASN:ND2	1:C:555:HIS:CE1	2.89	0.40
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.40
1:C:579:GLU:HG2	1:C:586:ASN:HD21	1.87	0.40
1:C:643:GLN:NE2	1:C:648:VAL:HB	2.35	0.40
1:C:671:ILE:O	1:C:671:ILE:HD12	2.21	0.40
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.40
1:C:785:PHE:CA	3:Z:86:TYR:CE2	2.72	0.40
3:Z:45:ARG:O	3:Z:48:ASP:CB	2.68	0.40
3:Z:128:LEU:C	3:Z:130:ASP:N	2.79	0.40
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.40
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.40
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.40
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.40
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.40
2:Y:32:ASP:O	2:Y:34:PHE:HD1	2.05	0.40
3:Z:90:PHE:CD1	3:Z:141:TYR:CD2	3.01	0.40
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.40
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.40
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.40
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.40
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.40
1:C:722:ILE:O	1:C:722:ILE:CG1	2.65	0.40
1:C:829:LEU:O	1:C:832:LYS:HB3	2.22	0.40
2:Y:105:ASN:CG	3:Z:119:ASP:OD1	2.61	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:107:TYR:HD1	1:C:123:VAL:CG2	2.35	0.40
1:C:162:ASN:CB	1:C:170:GLN:HE22	2.31	0.40
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.40
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:437:TRP:CH2	1:C:620:GLU:CG	3.05	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.40
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.40
2:Y:72:PHE:C	2:Y:75:ILE:HD13	2.40	0.40
2:Y:90:ARG:O	2:Y:90:ARG:HG2	2.22	0.40
2:Y:117:GLY:O	3:Z:24:ARG:N	2.49	0.40
3:Z:18:PHE:HZ	3:Z:32:LYS:CG	2.31	0.40
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.40
1:C:161:GLN:OE1	1:C:719:ARG:HD3	2.12	0.40
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.40
2:Y:32:ASP:O	2:Y:34:PHE:HD1	2.05	0.40
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:123:VAL:O	1:C:123:VAL:CG2	2.70	0.40
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.40
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.62	0.40
1:C:474:GLN:OE1	1:C:589:TYR:CE1	2.75	0.40
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.40
2:Y:21:LYS:O	2:Y:22:GLU:C	2.65	0.40
2:Y:89:ILE:HD13	2:Y:89:ILE:H	1.87	0.40
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.40
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.74	0.40
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.40
3:Z:106:LEU:HA	3:Z:106:LEU:HD23	1.61	0.40
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.40
1:C:63:ASP:O	1:C:64:SER:CB	2.70	0.40
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.54	0.40
1:C:523:ILE:HG23	1:C:524:GLU:H	1.85	0.40
1:C:579:GLU:CG	1:C:586:ASN:HD21	2.35	0.40
1:C:603:ASN:O	1:C:603:ASN:CG	2.65	0.40
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.40
1:C:832:LYS:HZ3	2:Y:48:GLY:HA3	1.85	0.40
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.40
3:Z:100:PHE:CD1	3:Z:101:ILE:CA	3.05	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:107:TYR:HD1	1:C:123:VAL:CG2	2.35	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:162:ASN:CB	1:C:170:GLN:HE22	2.31	0.40
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.40
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.40
1:C:437:TRP:CH2	1:C:620:GLU:CG	3.05	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.40
1:C:743:LEU:HD23	1:C:748:MET:HG3	1.98	0.40
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.40
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.40
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.40
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.40
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.40
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.57	0.40
3:Z:133:GLU:CD	3:Z:133:GLU:N	2.73	0.40
1:C:161:GLN:NE2	1:C:165:THR:CG2	2.70	0.40
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.40
1:C:180:ALA:CB	1:C:670:CYS:HG	2.30	0.40
1:C:437:TRP:CH2	1:C:620:GLU:CG	3.05	0.40
1:C:437:TRP:HZ3	1:C:620:GLU:HB3	1.70	0.40
1:C:762:PHE:HB3	1:C:766:VAL:HG23	1.94	0.40
1:C:806:ILE:C	1:C:806:ILE:HD12	2.46	0.40
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.40
2:Y:148:ILE:HG13	2:Y:149:LYS:N	2.35	0.40
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.74	0.40
1:C:55:GLU:OE1	1:C:56:ILE:O	2.39	0.40
1:C:94:LEU:HD23	1:C:94:LEU:HA	1.62	0.40
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.04	0.40
1:C:437:TRP:CG	1:C:440:ARG:NH2	2.90	0.40
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:495:LEU:HA	1:C:495:LEU:HD23	1.65	0.40
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.40
1:C:505:ILE:HD11	1:C:754:ARG:HH21	1.87	0.40
1:C:518:MET:O	1:C:520:ILE:N	2.54	0.40
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.40
1:C:672:ILE:O	1:C:672:ILE:CG1	2.49	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.40
1:C:792:TYR:CE1	1:C:793:LEU:CB	2.62	0.40
1:C:795:ARG:HG2	3:Z:39:CYS:HA	2.03	0.40
2:Y:103:LYS:HB3	2:Y:138:LYS:HB3	2.03	0.40
1:C:271:ARG:NH2	1:C:279:GLU:HG3	2.33	0.40
1:C:437:TRP:CH2	1:C:620:GLU:CG	3.05	0.40
1:C:516:LEU:HD13	1:C:519:CYS:SG	2.62	0.40
1:C:587:VAL:HA	1:C:588:PRO:HD2	1.76	0.40
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.40
2:Y:65:GLY:HA3	2:Y:66:PRO:HD2	1.82	0.40
2:Y:113:LEU:C	2:Y:120:PHE:CD2	2.88	0.40
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.40
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.40
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.40
1:C:275:GLN:OE1	1:C:279:GLU:HG3	2.20	0.40
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.68	0.40
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.40
1:C:579:GLU:HG2	1:C:586:ASN:HD21	1.87	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
2:Y:86:GLU:CB	2:Y:149:LYS:CE	2.91	0.40
2:Y:90:ARG:O	2:Y:90:ARG:HG2	2.22	0.40
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.40
1:C:41:GLU:OE1	1:C:684:ALA:HB2	2.18	0.40
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:456:ILE:C	1:C:456:ILE:HD12	2.45	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:604:GLU:CA	1:C:607:VAL:HG22	2.49	0.40
1:C:755:LEU:HA	1:C:755:LEU:HD23	1.69	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.40
1:C:129:LEU:HD12	1:C:129:LEU:N	2.31	0.40
1:C:472:PHE:CA	1:C:594:TRP:HZ3	2.06	0.40
1:C:475:LEU:HD23	1:C:475:LEU:HA	1.62	0.40
1:C:609:LEU:HD23	1:C:609:LEU:HA	1.61	0.40
1:C:826:TRP:CH2	2:Y:75:ILE:HD11	2.55	0.40
2:Y:29:VAL:HG13	2:Y:43:ILE:CG2	2.50	0.40
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:107:TYR:HD1	1:C:123:VAL:CG2	2.35	0.40
1:C:162:ASN:CB	1:C:170:GLN:HE22	2.31	0.40
1:C:174:ILE:HG22	1:C:668:VAL:CG2	2.49	0.40
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.40
1:C:437:TRP:CH2	1:C:620:GLU:CG	3.05	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:497:GLN:O	1:C:500:TYR:HB2	2.20	0.40
2:Y:89:ILE:HD13	2:Y:89:ILE:H	1.87	0.40
3:Z:128:LEU:C	3:Z:130:ASP:N	2.80	0.40
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.40
1:C:171:SER:O	1:C:666:HIS:NE2	2.53	0.40
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:522:LEU:HA	1:C:522:LEU:HD23	1.62	0.40
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.40
1:C:773:MET:C	1:C:776:GLU:CB	2.91	0.40
1:C:780:LYS:O	1:C:781:ILE:C	2.64	0.40
3:Z:93:PHE:CE1	3:Z:105:GLU:OE2	2.74	0.40
3:Z:128:LEU:C	3:Z:130:ASP:N	2.80	0.40
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.40
1:C:124:ASN:HD21	1:C:673:PRO:CB	2.31	0.40
1:C:137:ILE:HG13	1:C:138:ALA:H	1.86	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:668:VAL:HG23	1:C:668:VAL:O	2.22	0.40
3:Z:44:PRO:HB3	3:Z:75:LEU:HG	2.02	0.40
1:C:291:ASN:HD22	1:C:291:ASN:HA	1.69	0.40
1:C:338:LEU:HD12	1:C:340:PHE:CE2	2.57	0.40
1:C:561:MET:O	1:C:581:HIS:CD2	2.72	0.40
1:C:781:ILE:CD1	1:C:782:ILE:HD13	2.48	0.40
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40
3:Z:100:PHE:CD1	3:Z:101:ILE:CA	3.05	0.40
3:Z:145:VAL:O	3:Z:149:MET:CG	2.65	0.40
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.40
1:C:579:GLU:HG2	1:C:586:ASN:HD21	1.87	0.40
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40
2:Y:132:ALA:HA	2:Y:133:PRO:HD2	1.82	0.40
1:C:68:THR:C	1:C:69:VAL:CG1	2.94	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.55	0.40
1:C:299:VAL:HG23	1:C:300:MET:N	2.36	0.40
1:C:363:PHE:CD2	1:C:363:PHE:C	3.00	0.40
1:C:579:GLU:HG2	1:C:586:ASN:HD21	1.87	0.40
1:C:696:VAL:O	1:C:697:LEU:C	2.65	0.40
1:C:743:LEU:CD1	1:C:762:PHE:HE2	2.19	0.40
1:C:808:LEU:HD23	1:C:808:LEU:HA	1.61	0.40
1:C:810:VAL:HG21	2:Y:92:ALA:HB3	1.85	0.40
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.40
3:Z:69:LEU:HD23	3:Z:69:LEU:HA	1.65	0.40
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:299:VAL:HG23	1:C:300:MET:N	2.36	0.40
1:C:335:PHE:CZ	1:C:340:PHE:CD1	3.08	0.40
1:C:338:LEU:HD12	1:C:340:PHE:CE2	2.57	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.40
1:C:437:TRP:CD1	1:C:441:ARG:NH2	2.73	0.40
1:C:473:GLU:OE1	1:C:597:LYS:HE2	2.21	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:711:LEU:HA	1:C:711:LEU:HD23	1.68	0.40
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.40
1:C:11:GLN:C	1:C:11:GLN:OE1	2.65	0.40
1:C:35:TRP:HD1	1:C:77:MET:CA	2.33	0.40
1:C:113:TYR:HD2	1:C:150:PRO:CA	2.29	0.40
1:C:119:PHE:CD2	1:C:667:PHE:HB2	2.47	0.40
1:C:178:SER:HB2	1:C:236:ARG:CD	2.42	0.40
1:C:266:LEU:HD23	1:C:649:HIS:HE2	1.86	0.40
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.40
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.40
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.40
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.40
1:C:124:ASN:HD21	1:C:673:PRO:CB	2.31	0.40
1:C:137:ILE:HG13	1:C:138:ALA:H	1.86	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:662:SER:HB2	1:C:715:GLU:CD	2.47	0.40
1:C:668:VAL:HG23	1:C:668:VAL:O	2.22	0.40
2:Y:104:LEU:HD23	2:Y:104:LEU:HA	1.60	0.40
3:Z:33:LEU:HA	3:Z:33:LEU:HD23	1.63	0.40
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:299:VAL:HG23	1:C:300:MET:N	2.36	0.40
1:C:335:PHE:CZ	1:C:340:PHE:CD1	3.08	0.40
1:C:338:LEU:HD12	1:C:340:PHE:CE2	2.57	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.40
1:C:437:TRP:CD1	1:C:441:ARG:NH2	2.73	0.40
1:C:473:GLU:OE1	1:C:597:LYS:HE2	2.21	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.40
2:Y:40:ILE:CD1	2:Y:40:ILE:C	2.94	0.40
2:Y:65:GLY:HA3	2:Y:66:PRO:HD2	1.81	0.40
2:Y:104:LEU:HA	2:Y:104:LEU:HD23	1.60	0.40
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:299:VAL:HG23	1:C:300:MET:N	2.36	0.40
1:C:335:PHE:CZ	1:C:340:PHE:CD1	3.08	0.40
1:C:338:LEU:HD12	1:C:340:PHE:CE2	2.57	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.40
1:C:437:TRP:CD1	1:C:441:ARG:NH2	2.73	0.40
1:C:473:GLU:OE1	1:C:597:LYS:HE2	2.21	0.40
1:C:499:GLU:CB	1:C:761:PHE:HZ	2.18	0.40
1:C:504:GLY:N	1:C:760:VAL:O	2.54	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:800:LYS:O	1:C:804:GLN:CB	2.69	0.40
2:Y:86:GLU:CB	2:Y:149:LYS:CE	2.91	0.40
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40
1:C:113:TYR:HD2	1:C:150:PRO:CA	2.29	0.40
1:C:119:PHE:CD2	1:C:667:PHE:HB2	2.47	0.40
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:178:SER:HB2	1:C:236:ARG:CD	2.42	0.40
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.29	0.40
1:C:503:GLU:O	1:C:757:THR:CG2	2.53	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.40
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.40
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.40
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.40
1:C:124:ASN:HD21	1:C:673:PRO:CB	2.31	0.40
1:C:137:ILE:HG13	1:C:138:ALA:H	1.86	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:668:VAL:HG23	1:C:668:VAL:O	2.22	0.40
1:C:826:TRP:HB3	2:Y:79:LYS:NZ	2.36	0.40
2:Y:143:LYS:O	2:Y:147:MET:CG	2.61	0.40
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.03	0.40
3:Z:49:VAL:CG2	3:Z:50:PHE:H	2.31	0.40
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.40
1:C:35:TRP:HD1	1:C:77:MET:CA	2.33	0.40
1:C:113:TYR:HD2	1:C:150:PRO:CA	2.29	0.40
1:C:119:PHE:CD2	1:C:667:PHE:HB2	2.47	0.40
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:178:SER:HB2	1:C:236:ARG:CD	2.42	0.40
1:C:350:LYS:HZ2	1:C:386:LEU:CD1	2.29	0.40
1:C:459:LEU:HD23	1:C:459:LEU:HA	1.63	0.40
1:C:503:GLU:O	1:C:757:THR:CG2	2.53	0.40
1:C:509:PHE:HE2	1:C:511:ASP:HB3	1.85	0.40
1:C:556:MET:CG	1:C:562:PHE:HE2	2.28	0.40
1:C:802:GLN:CD	3:Z:17:LEU:HD12	2.47	0.40
2:Y:21:LYS:O	2:Y:22:GLU:C	2.65	0.40
3:Z:100:PHE:CD1	3:Z:101:ILE:CA	3.05	0.40
1:C:193:LEU:CD1	1:C:251:PHE:CZ	2.83	0.40
1:C:233:LYS:HD2	1:C:319:VAL:HG12	2.03	0.40
1:C:247:ILE:O	1:C:247:ILE:CG1	2.49	0.40
1:C:265:TYR:HE2	1:C:266:LEU:HD12	1.87	0.40
1:C:671:ILE:O	1:C:671:ILE:HD12	2.20	0.40
2:Y:40:ILE:C	2:Y:43:ILE:HD13	2.47	0.40
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.40
1:C:124:ASN:HD21	1:C:673:PRO:CB	2.31	0.40
1:C:137:ILE:HG13	1:C:138:ALA:H	1.86	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:668:VAL:HG23	1:C:668:VAL:O	2.22	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:803:ASP:CG	1:C:804:GLN:N	2.79	0.40
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.57	0.40
3:Z:100:PHE:CD1	3:Z:101:ILE:CA	3.05	0.40
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:299:VAL:HG23	1:C:300:MET:N	2.36	0.40
1:C:335:PHE:CZ	1:C:340:PHE:CD1	3.08	0.40
1:C:338:LEU:HD12	1:C:340:PHE:CE2	2.57	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.40
1:C:437:TRP:CD1	1:C:441:ARG:NH2	2.73	0.40
1:C:473:GLU:OE1	1:C:597:LYS:HE2	2.21	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:713:TYR:HD2	1:C:739:SER:HG	1.66	0.40
1:C:717:LYS:CD	1:C:738:VAL:HG11	2.51	0.40
2:Y:134:VAL:O	2:Y:134:VAL:CG2	2.67	0.40
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.73	0.40
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.03	0.40
1:C:12:TYR:CE2	1:C:129:LEU:CG	3.04	0.40
1:C:28:PHE:CZ	1:C:79:PRO:HA	2.57	0.40
1:C:153:PHE:CD1	1:C:192:TYR:HB2	2.56	0.40
1:C:266:LEU:CG	1:C:649:HIS:CD2	3.04	0.40
1:C:318:THR:C	1:C:319:VAL:HG13	2.46	0.40
1:C:394:LEU:HD23	1:C:394:LEU:HA	1.63	0.40
1:C:414:GLN:OE1	1:C:418:GLN:CD	2.64	0.40
1:C:484:LEU:HD22	1:C:485:GLN:N	2.37	0.40
1:C:491:HIS:C	1:C:495:LEU:HB2	2.46	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:805:ARG:HD3	3:Z:17:LEU:HA	2.04	0.40
2:Y:32:ASP:O	2:Y:34:PHE:HD1	2.04	0.40
2:Y:121:ASN:ND2	2:Y:124:GLU:HB2	2.33	0.40
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.40
1:C:124:ASN:HD21	1:C:673:PRO:CB	2.31	0.40
1:C:137:ILE:HG13	1:C:138:ALA:H	1.86	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:668:VAL:HG23	1:C:668:VAL:O	2.22	0.40
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.10	0.40
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:98:GLN:NE2	3:Z:100:PHE:CB	2.46	0.40
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:299:VAL:HG23	1:C:300:MET:N	2.36	0.40
1:C:335:PHE:CZ	1:C:340:PHE:CD1	3.08	0.40
1:C:338:LEU:HD12	1:C:340:PHE:CE2	2.57	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.40
1:C:437:TRP:CD1	1:C:441:ARG:NH2	2.73	0.40
1:C:473:GLU:OE1	1:C:597:LYS:HE2	2.21	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:805:ARG:CD	3:Z:20:PHE:HD2	2.33	0.40
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.40
1:C:124:ASN:HD21	1:C:673:PRO:CB	2.31	0.40
1:C:137:ILE:HG13	1:C:138:ALA:H	1.86	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:668:VAL:HG23	1:C:668:VAL:O	2.22	0.40
2:Y:121:ASN:OD1	2:Y:123:ASP:HB3	2.21	0.40
3:Z:128:LEU:C	3:Z:130:ASP:N	2.80	0.40
1:C:59:LYS:NZ	1:C:64:SER:OG	2.44	0.40
1:C:124:ASN:HD21	1:C:673:PRO:CB	2.31	0.40
1:C:137:ILE:HG13	1:C:138:ALA:H	1.86	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.22	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
1:C:668:VAL:HG23	1:C:668:VAL:O	2.22	0.40
2:Y:40:ILE:CD1	2:Y:40:ILE:C	2.94	0.40
2:Y:93:PHE:CZ	2:Y:104:LEU:CB	3.05	0.40
3:Z:96:GLU:HG2	3:Z:97:GLY:H	1.86	0.40
1:C:132:TYR:CD2	1:C:132:TYR:C	2.98	0.40
1:C:261:ASP:OD1	1:C:262:ILE:N	2.54	0.40
1:C:276:GLN:HG2	1:C:279:GLU:HB3	2.04	0.40
1:C:299:VAL:HG23	1:C:300:MET:N	2.36	0.40
1:C:335:PHE:CZ	1:C:340:PHE:CD1	3.08	0.40
1:C:338:LEU:HD12	1:C:340:PHE:CE2	2.57	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:426:LEU:HD23	1:C:426:LEU:HA	1.63	0.40
1:C:437:TRP:CD1	1:C:441:ARG:NH2	2.73	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:473:GLU:OE1	1:C:597:LYS:HE2	2.21	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:771:GLU:OE1	1:C:771:GLU:O	2.38	0.40
1:C:832:LYS:NZ	2:Y:48:GLY:H	2.10	0.40
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.40
1:C:338:LEU:HD12	1:C:340:PHE:HE2	1.85	0.40
1:C:516:LEU:HD13	1:C:519:CYS:SG	2.62	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:643:GLN:NE2	1:C:648:VAL:HB	2.35	0.40
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.57	0.40
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.03	0.40
3:Z:45:ARG:O	3:Z:48:ASP:N	2.54	0.40
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.40
1:C:195:LYS:O	1:C:195:LYS:HG2	2.20	0.40
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.40
1:C:296:LEU:HD23	1:C:296:LEU:HA	1.69	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:437:TRP:CH2	1:C:620:GLU:CG	3.05	0.40
1:C:643:GLN:HE21	1:C:648:VAL:CG1	2.35	0.40
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.40
3:Z:74:GLY:O	3:Z:76:MET:N	2.55	0.40
1:C:60:ILE:O	1:C:64:SER:HA	2.21	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:107:TYR:HD1	1:C:123:VAL:CG2	2.35	0.40
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.40
1:C:162:ASN:CB	1:C:170:GLN:HE21	2.31	0.40
1:C:182:LYS:O	1:C:186:THR:CG2	2.38	0.40
1:C:259:GLY:O	1:C:260:ALA:HB2	2.22	0.40
1:C:350:LYS:HE3	1:C:386:LEU:HB3	1.96	0.40
2:Y:89:ILE:HD13	2:Y:89:ILE:H	1.87	0.40
2:Y:147:MET:HG2	2:Y:147:MET:H	1.68	0.40
1:C:28:PHE:CZ	1:C:79:PRO:HA	2.57	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.54	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:94:LEU:HD13	1:C:700:ILE:CG2	2.26	0.40
1:C:107:TYR:HD1	1:C:123:VAL:CG2	2.35	0.40
1:C:123:VAL:O	1:C:123:VAL:CG2	2.70	0.40
1:C:226:LEU:HA	1:C:226:LEU:HD23	1.63	0.40
1:C:314:GLN:CG	1:C:315:GLY:H	2.09	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:579:GLU:HG2	1:C:586:ASN:HD21	1.87	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:603:ASN:O	1:C:603:ASN:CG	2.65	0.40
1:C:702:ILE:H	1:C:702:ILE:HG23	1.69	0.40
1:C:826:TRP:HZ2	2:Y:72:PHE:CZ	2.29	0.40
3:Z:135:LEU:HD23	3:Z:135:LEU:HA	1.64	0.40
1:C:28:PHE:CZ	1:C:79:PRO:HA	2.57	0.40
1:C:79:PRO:C	1:C:81:LYS:N	2.77	0.40
1:C:86:GLU:CD	1:C:150:PRO:CG	2.94	0.40
1:C:140:TYR:CE2	1:C:153:PHE:C	3.00	0.40
1:C:516:LEU:HD13	1:C:519:CYS:SG	2.62	0.40
1:C:603:ASN:O	1:C:603:ASN:CG	2.65	0.40
2:Y:65:GLY:HA3	2:Y:66:PRO:HD2	1.82	0.40
2:Y:89:ILE:HD13	2:Y:89:ILE:H	1.87	0.40
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.40
2:Y:149:LYS:CG	2:Y:150:GLY:N	2.69	0.40
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.40
1:C:13:LEU:HD23	1:C:13:LEU:HA	1.67	0.40
1:C:39:GLU:CD	1:C:39:GLU:N	2.73	0.40
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.40
1:C:123:VAL:O	1:C:123:VAL:CG2	2.70	0.40
1:C:124:ASN:HD21	1:C:673:PRO:CB	2.31	0.40
1:C:134:ASP:HA	1:C:195:LYS:HE2	2.02	0.40
1:C:317:LEU:HD23	1:C:317:LEU:HA	1.62	0.40
1:C:495:LEU:HD23	1:C:495:LEU:HA	1.65	0.40
1:C:698:GLU:C	1:C:700:ILE:N	2.78	0.40
1:C:819:LEU:HD23	1:C:819:LEU:HA	1.62	0.40
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40
3:Z:93:PHE:CE2	3:Z:105:GLU:CB	3.03	0.40
1:C:41:GLU:CD	1:C:41:GLU:C	2.88	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.54	0.40
1:C:123:VAL:O	1:C:123:VAL:CG2	2.70	0.40
1:C:153:PHE:CD1	1:C:192:TYR:HB2	2.56	0.40
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.40
1:C:439:VAL:CG2	1:C:440:ARG:N	2.85	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.21	0.40
1:C:503:GLU:HB3	1:C:710:ARG:CA	2.48	0.40
1:C:507:TRP:C	1:C:763:LYS:HB2	2.26	0.40
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.40
1:C:818:TRP:CE2	1:C:822:ARG:NE	2.79	0.40
1:C:829:LEU:O	1:C:832:LYS:HB3	2.22	0.40
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.40
1:C:41:GLU:CD	1:C:41:GLU:C	2.88	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:79:PRO:O	1:C:81:LYS:N	2.54	0.40
1:C:123:VAL:O	1:C:123:VAL:CG2	2.70	0.40
1:C:153:PHE:CD1	1:C:192:TYR:HB2	2.56	0.40
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.40
1:C:439:VAL:CG2	1:C:440:ARG:N	2.85	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.21	0.40
1:C:504:GLY:O	1:C:760:VAL:HG12	2.18	0.40
1:C:505:ILE:HA	1:C:762:PHE:CE1	2.57	0.40
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.40
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.40
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.40
1:C:338:LEU:HD12	1:C:340:PHE:HE2	1.85	0.40
1:C:516:LEU:HD13	1:C:519:CYS:SG	2.62	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:643:GLN:NE2	1:C:648:VAL:HB	2.35	0.40
1:C:811:ILE:HA	1:C:814:ASN:CG	2.44	0.40
1:C:826:TRP:HH2	2:Y:72:PHE:HD1	1.67	0.40
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.40
2:Y:114:GLU:OE1	2:Y:125:MET:HB2	2.21	0.40
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.40
3:Z:69:LEU:N	3:Z:70:PRO:CD	2.84	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:26:ALA:HB1	1:C:27:ALA:H	1.60	0.40
1:C:121:ILE:CD1	1:C:121:ILE:C	2.91	0.40
1:C:220:ILE:C	1:C:220:ILE:CD1	2.94	0.40
1:C:288:ILE:C	1:C:288:ILE:CD1	2.86	0.40
1:C:668:VAL:HG23	1:C:668:VAL:O	2.22	0.40
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.03	0.40
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:437:TRP:CH2	1:C:620:GLU:CG	3.05	0.40
1:C:516:LEU:HD13	1:C:519:CYS:SG	2.62	0.40
1:C:33:ASN:HD22	1:C:33:ASN:HA	1.69	0.40
1:C:104:ARG:O	1:C:108:THR:HG23	2.21	0.40
1:C:118:LEU:HA	1:C:118:LEU:HD23	1.72	0.40
1:C:218:GLN:HA	1:C:337:ILE:HD11	2.02	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.40
1:C:285:PHE:O	1:C:288:ILE:CG1	2.69	0.40
2:Y:113:LEU:HA	2:Y:113:LEU:HD23	1.64	0.40
3:Z:90:PHE:CD2	3:Z:141:TYR:HB3	2.52	0.40
3:Z:94:ASP:C	3:Z:96:GLU:OE1	2.64	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
3:Z:131:LEU:HA	3:Z:131:LEU:HD23	1.61	0.40
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.40
1:C:338:LEU:HD12	1:C:340:PHE:HE2	1.85	0.40
1:C:516:LEU:HD13	1:C:519:CYS:SG	2.62	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:643:GLN:NE2	1:C:648:VAL:HB	2.35	0.40
1:C:781:ILE:CD1	1:C:781:ILE:C	2.93	0.40
1:C:829:LEU:O	1:C:832:LYS:HB3	2.22	0.40
2:Y:32:ASP:O	2:Y:34:PHE:HD1	2.04	0.40
2:Y:65:GLY:HA3	2:Y:66:PRO:HD2	1.82	0.40
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.40
3:Z:31:PHE:O	3:Z:31:PHE:CG	2.74	0.40
1:C:41:GLU:CD	1:C:41:GLU:C	2.88	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.54	0.40
1:C:123:VAL:O	1:C:123:VAL:CG2	2.70	0.40
1:C:153:PHE:CD1	1:C:192:TYR:HB2	2.56	0.40
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.40
1:C:439:VAL:CG2	1:C:440:ARG:N	2.85	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.21	0.40
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.40
1:C:818:TRP:NE1	1:C:822:ARG:NH2	2.64	0.40
2:Y:97:ASP:OD1	2:Y:97:ASP:O	2.38	0.40
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.40
1:C:113:TYR:HE1	1:C:120:CYS:CB	2.33	0.40
1:C:170:GLN:CB	1:C:456:ILE:HD13	2.51	0.40
1:C:284:ILE:O	1:C:285:PHE:C	2.63	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:516:LEU:HD13	1:C:519:CYS:SG	2.62	0.40
1:C:579:GLU:CG	1:C:586:ASN:HD21	2.34	0.40
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.40
2:Y:40:ILE:CD1	2:Y:40:ILE:C	2.94	0.40
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.57	0.40
1:C:338:LEU:HD12	1:C:340:PHE:CE2	2.57	0.40
1:C:371:GLN:HE22	1:C:373:GLU:CG	2.30	0.40
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.40
1:C:751:ALA:C	1:C:753:TYR:H	2.29	0.40
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.57	0.40
3:Z:42:ILE:HD13	3:Z:75:LEU:HD21	2.03	0.40
3:Z:45:ARG:O	3:Z:46:ASN:C	2.63	0.40
3:Z:100:PHE:CD1	3:Z:101:ILE:CA	3.05	0.40
1:C:12:TYR:CE2	1:C:131:ILE:HG21	2.44	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:121:ILE:O	1:C:121:ILE:CD1	2.69	0.40
1:C:162:ASN:HB2	1:C:170:GLN:HE21	1.81	0.40
1:C:266:LEU:HD23	1:C:649:HIS:HE2	1.86	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:536:GLU:O	1:C:547:PHE:CZ	2.74	0.40
1:C:780:LYS:O	1:C:781:ILE:C	2.64	0.40
3:Z:128:LEU:C	3:Z:130:ASP:N	2.80	0.40
1:C:12:TYR:CE1	1:C:13:LEU:CG	3.03	0.40
1:C:26:ALA:O	1:C:27:ALA:C	2.64	0.40
1:C:99:VAL:HG21	1:C:691:LEU:HD13	1.98	0.40
1:C:123:VAL:O	1:C:123:VAL:CG2	2.70	0.40
1:C:358:MET:HE2	1:C:423:VAL:C	2.47	0.40
1:C:361:MET:HA	1:C:379:GLU:CG	2.50	0.40
1:C:415:ASN:OD1	1:C:417:ASN:CG	2.65	0.40
1:C:523:ILE:HG23	1:C:524:GLU:H	1.86	0.40
1:C:826:TRP:CZ2	2:Y:72:PHE:CZ	2.98	0.40
2:Y:105:ASN:OD1	2:Y:107:GLU:CD	2.64	0.40
2:Y:141:TYR:CZ	2:Y:145:THR:OG1	2.74	0.40
3:Z:141:TYR:HE2	3:Z:145:VAL:HG11	1.71	0.40
1:C:48:ILE:HA	1:C:58:VAL:HG12	2.03	0.40
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.40
1:C:785:PHE:HB2	3:Z:86:TYR:HD2	1.71	0.40
2:Y:20:MET:HE2	2:Y:73:LEU:HD21	1.96	0.40
2:Y:32:ASP:O	2:Y:34:PHE:HD1	2.05	0.40
2:Y:113:LEU:CA	2:Y:120:PHE:CD2	3.04	0.40
3:Z:74:GLY:O	3:Z:76:MET:N	2.55	0.40
1:C:107:TYR:HD1	1:C:123:VAL:CG2	2.35	0.40
1:C:126:TYR:CE1	1:C:677:LYS:HG2	2.56	0.40
1:C:134:ASP:O	1:C:137:ILE:HG13	2.21	0.40
1:C:415:ASN:OD1	1:C:417:ASN:OD1	2.39	0.40
1:C:499:GLU:HB2	1:C:710:ARG:HH22	1.86	0.40
1:C:510:ILE:CD1	1:C:512:PHE:CE1	3.00	0.40
1:C:552:TYR:CA	1:C:556:MET:CG	2.89	0.40
1:C:615:GLU:O	1:C:618:VAL:HG22	2.21	0.40
2:Y:37:LYS:NZ	2:Y:53:ASP:CA	2.80	0.40
3:Z:34:GLY:O	3:Z:37:CYS:SG	2.70	0.40
1:C:306:SER:C	1:C:308:LEU:N	2.79	0.40
1:C:338:LEU:HD12	1:C:340:PHE:HE2	1.85	0.40
1:C:516:LEU:HD13	1:C:519:CYS:SG	2.62	0.40
1:C:604:GLU:HA	1:C:607:VAL:CG2	2.52	0.40
1:C:643:GLN:NE2	1:C:648:VAL:HB	2.35	0.40

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:726:ASN:HD22	1:C:726:ASN:C	2.29	0.40
1:C:826:TRP:CZ2	2:Y:72:PHE:CZ	2.98	0.40
3:Z:11:LEU:HD11	3:Z:72:TYR:CG	2.57	0.40
1:C:41:GLU:CD	1:C:41:GLU:C	2.88	0.40
1:C:79:PRO:O	1:C:81:LYS:N	2.54	0.40
1:C:123:VAL:O	1:C:123:VAL:CG2	2.70	0.40
1:C:153:PHE:CD1	1:C:192:TYR:HB2	2.56	0.40
1:C:173:LEU:HD23	1:C:173:LEU:HA	1.57	0.40
1:C:439:VAL:CG2	1:C:440:ARG:N	2.85	0.40
1:C:463:GLY:O	1:C:477:ILE:HD13	2.21	0.40
1:C:516:LEU:HD11	1:C:583:TYR:HB3	2.02	0.40
1:C:713:TYR:HD2	1:C:739:SER:HG	1.70	0.40
1:C:796:LYS:HD3	3:Z:128:LEU:HD13	1.72	0.40
1:C:829:LEU:O	1:C:832:LYS:HB3	2.22	0.40
2:Y:43:ILE:CG1	2:Y:44:SER:N	2.73	0.40
2:Y:50:ALA:HB1	2:Y:51:PRO:HD2	2.03	0.40
3:Z:18:PHE:C	3:Z:20:PHE:N	2.78	0.40
3:Z:46:ASN:O	3:Z:47:GLU:C	2.64	0.40

There are no symmetry-related clashes.

5.3 Torsion angles (i)

5.3.1 Protein backbone (i)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	1-C	758/831 (91%)	608 (80%)	112 (15%)	38 (5%)	1	16
1	2-C	756/831 (91%)	604 (80%)	112 (15%)	40 (5%)	1	15
1	3-C	758/831 (91%)	606 (80%)	114 (15%)	38 (5%)	1	16
1	4-C	758/831 (91%)	605 (80%)	114 (15%)	39 (5%)	1	15
1	5-C	756/831 (91%)	605 (80%)	113 (15%)	38 (5%)	1	16
1	6-C	758/831 (91%)	608 (80%)	112 (15%)	38 (5%)	1	16

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	7-C	758/831 (91%)	607 (80%)	113 (15%)	38 (5%)	1	16
1	8-C	758/831 (91%)	607 (80%)	112 (15%)	39 (5%)	1	15
1	9-C	756/831 (91%)	606 (80%)	112 (15%)	38 (5%)	1	16
1	10-C	758/831 (91%)	606 (80%)	114 (15%)	38 (5%)	1	16
1	11-C	758/831 (91%)	606 (80%)	113 (15%)	39 (5%)	1	15
1	12-C	758/831 (91%)	606 (80%)	114 (15%)	38 (5%)	1	16
1	13-C	756/831 (91%)	604 (80%)	113 (15%)	39 (5%)	1	15
1	14-C	756/831 (91%)	605 (80%)	112 (15%)	39 (5%)	1	15
1	15-C	758/831 (91%)	608 (80%)	112 (15%)	38 (5%)	1	16
1	16-C	758/831 (91%)	606 (80%)	114 (15%)	38 (5%)	1	16
1	17-C	756/831 (91%)	604 (80%)	113 (15%)	39 (5%)	1	15
1	18-C	758/831 (91%)	607 (80%)	112 (15%)	39 (5%)	1	15
1	19-C	758/831 (91%)	605 (80%)	112 (15%)	41 (5%)	1	15
1	20-C	758/831 (91%)	606 (80%)	114 (15%)	38 (5%)	1	16
1	21-C	758/831 (91%)	605 (80%)	114 (15%)	39 (5%)	1	15
1	22-C	758/831 (91%)	607 (80%)	113 (15%)	38 (5%)	1	16
1	23-C	756/831 (91%)	603 (80%)	114 (15%)	39 (5%)	1	15
1	24-C	756/831 (91%)	605 (80%)	113 (15%)	38 (5%)	1	16
1	25-C	756/831 (91%)	602 (80%)	114 (15%)	40 (5%)	1	15
1	26-C	756/831 (91%)	604 (80%)	113 (15%)	39 (5%)	1	15
1	27-C	758/831 (91%)	607 (80%)	113 (15%)	38 (5%)	1	16
1	28-C	756/831 (91%)	604 (80%)	113 (15%)	39 (5%)	1	15
1	29-C	756/831 (91%)	605 (80%)	112 (15%)	39 (5%)	1	15
1	30-C	758/831 (91%)	605 (80%)	114 (15%)	39 (5%)	1	15
1	31-C	758/831 (91%)	603 (80%)	114 (15%)	41 (5%)	1	15
1	32-C	756/831 (91%)	605 (80%)	111 (15%)	40 (5%)	1	15
1	33-C	758/831 (91%)	605 (80%)	115 (15%)	38 (5%)	1	16
1	34-C	758/831 (91%)	607 (80%)	113 (15%)	38 (5%)	1	16
1	35-C	758/831 (91%)	606 (80%)	113 (15%)	39 (5%)	1	15
1	36-C	758/831 (91%)	607 (80%)	113 (15%)	38 (5%)	1	16
1	37-C	758/831 (91%)	605 (80%)	115 (15%)	38 (5%)	1	16

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	38-C	758/831 (91%)	607 (80%)	113 (15%)	38 (5%)	1	16
1	39-C	756/831 (91%)	605 (80%)	113 (15%)	38 (5%)	1	16
1	40-C	758/831 (91%)	607 (80%)	112 (15%)	39 (5%)	1	15
1	41-C	758/831 (91%)	605 (80%)	114 (15%)	39 (5%)	1	15
1	42-C	756/831 (91%)	604 (80%)	113 (15%)	39 (5%)	1	15
1	43-C	756/831 (91%)	603 (80%)	114 (15%)	39 (5%)	1	15
2	1-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	2-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	3-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	4-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	5-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	6-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	7-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	8-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	9-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	10-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	11-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	12-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	13-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	14-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	15-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	16-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	17-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	18-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	19-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	20-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	21-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	22-Y	134/136 (98%)	94 (70%)	34 (25%)	6 (4%)	2	17
2	23-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	24-Y	134/136 (98%)	94 (70%)	34 (25%)	6 (4%)	2	17
2	25-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
2	26-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	27-Y	134/136 (98%)	94 (70%)	34 (25%)	6 (4%)	2	17
2	28-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	29-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	30-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	31-Y	134/136 (98%)	94 (70%)	34 (25%)	6 (4%)	2	17
2	32-Y	134/136 (98%)	94 (70%)	34 (25%)	6 (4%)	2	17
2	33-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	34-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	35-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	36-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	37-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	38-Y	134/136 (98%)	94 (70%)	34 (25%)	6 (4%)	2	17
2	39-Y	134/136 (98%)	94 (70%)	34 (25%)	6 (4%)	2	17
2	40-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
2	41-Y	134/136 (98%)	94 (70%)	34 (25%)	6 (4%)	2	17
2	42-Y	134/136 (98%)	94 (70%)	34 (25%)	6 (4%)	2	17
2	43-Y	134/136 (98%)	95 (71%)	33 (25%)	6 (4%)	2	17
3	1-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	2-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	3-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	4-Z	149/151 (99%)	104 (70%)	35 (24%)	10 (7%)	1	12
3	5-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	6-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	7-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	8-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	9-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	10-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	11-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	12-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	13-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
3	14-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	15-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	16-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	17-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	18-Z	149/151 (99%)	104 (70%)	35 (24%)	10 (7%)	1	12
3	19-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	20-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	21-Z	149/151 (99%)	104 (70%)	35 (24%)	10 (7%)	1	12
3	22-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	23-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	24-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	25-Z	149/151 (99%)	104 (70%)	35 (24%)	10 (7%)	1	12
3	26-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	27-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	28-Z	149/151 (99%)	104 (70%)	35 (24%)	10 (7%)	1	12
3	29-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	30-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	31-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	32-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	33-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	34-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	35-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	36-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	37-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	38-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	39-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	40-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	41-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	42-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
3	43-Z	149/151 (99%)	104 (70%)	36 (24%)	9 (6%)	1	13
All	All	44731/48074 (93%)	34583 (77%)	7834 (18%)	2314 (5%)	3	15

All (2314) Ramachandran outliers are listed below:

Mol	Chain	Res	Type
1	1-C	27	ALA
1	1-C	366	ARG
1	1-C	368	ARG
1	1-C	371	GLN
1	1-C	542	ALA
1	1-C	600	ASP
1	1-C	601	PRO
1	1-C	722	ILE
1	1-C	752	GLU
1	1-C	755	LEU
1	1-C	834	LYS
2	1-Y	31	ARG
3	1-Z	42	ILE
3	1-Z	75	LEU
3	1-Z	116	ARG
1	2-C	27	ALA
1	2-C	366	ARG
1	2-C	368	ARG
1	2-C	371	GLN
1	2-C	542	ALA
1	2-C	600	ASP
1	2-C	601	PRO
1	2-C	706	GLY
1	2-C	722	ILE
1	2-C	752	GLU
1	2-C	755	LEU
1	2-C	834	LYS
2	2-Y	31	ARG
3	2-Z	42	ILE
3	2-Z	75	LEU
3	2-Z	116	ARG
1	3-C	27	ALA
1	3-C	366	ARG
1	3-C	368	ARG
1	3-C	371	GLN
1	3-C	542	ALA
1	3-C	600	ASP
1	3-C	601	PRO
1	3-C	722	ILE
1	3-C	752	GLU
1	3-C	755	LEU
1	3-C	834	LYS

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Mol	Chain	Res	Type
2	3-Y	31	ARG
3	3-Z	42	ILE
3	3-Z	75	LEU
3	3-Z	116	ARG
1	4-C	27	ALA
1	4-C	366	ARG
1	4-C	368	ARG
1	4-C	371	GLN
1	4-C	542	ALA
1	4-C	600	ASP
1	4-C	601	PRO
1	4-C	722	ILE
1	4-C	752	GLU
1	4-C	755	LEU
1	4-C	834	LYS
2	4-Y	31	ARG
3	4-Z	42	ILE
3	4-Z	75	LEU
3	4-Z	116	ARG
1	5-C	27	ALA
1	5-C	366	ARG
1	5-C	368	ARG
1	5-C	371	GLN
1	5-C	542	ALA
1	5-C	600	ASP
1	5-C	601	PRO
1	5-C	722	ILE
1	5-C	752	GLU
1	5-C	755	LEU
1	5-C	834	LYS
2	5-Y	31	ARG
3	5-Z	42	ILE
3	5-Z	75	LEU
3	5-Z	116	ARG
1	6-C	27	ALA
1	6-C	366	ARG
1	6-C	368	ARG
1	6-C	371	GLN
1	6-C	542	ALA
1	6-C	600	ASP
1	6-C	601	PRO
1	6-C	722	ILE

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Mol	Chain	Res	Type
1	6-C	752	GLU
1	6-C	755	LEU
1	6-C	834	LYS
2	6-Y	31	ARG
3	6-Z	42	ILE
3	6-Z	75	LEU
3	6-Z	116	ARG
1	7-C	27	ALA
1	7-C	366	ARG
1	7-C	368	ARG
1	7-C	371	GLN
1	7-C	542	ALA
1	7-C	600	ASP
1	7-C	601	PRO
1	7-C	722	ILE
1	7-C	752	GLU
1	7-C	755	LEU
1	7-C	834	LYS
2	7-Y	31	ARG
3	7-Z	42	ILE
3	7-Z	75	LEU
3	7-Z	116	ARG
1	8-C	27	ALA
1	8-C	366	ARG
1	8-C	368	ARG
1	8-C	371	GLN
1	8-C	542	ALA
1	8-C	600	ASP
1	8-C	601	PRO
1	8-C	722	ILE
1	8-C	752	GLU
1	8-C	755	LEU
1	8-C	800	LYS
1	8-C	834	LYS
2	8-Y	31	ARG
3	8-Z	42	ILE
3	8-Z	75	LEU
3	8-Z	116	ARG
1	9-C	27	ALA
1	9-C	366	ARG
1	9-C	368	ARG
1	9-C	371	GLN

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Mol	Chain	Res	Type
1	9-C	542	ALA
1	9-C	600	ASP
1	9-C	601	PRO
1	9-C	722	ILE
1	9-C	752	GLU
1	9-C	755	LEU
1	9-C	834	LYS
2	9-Y	31	ARG
3	9-Z	42	ILE
3	9-Z	75	LEU
3	9-Z	116	ARG
1	10-C	27	ALA
1	10-C	366	ARG
1	10-C	368	ARG
1	10-C	371	GLN
1	10-C	542	ALA
1	10-C	600	ASP
1	10-C	601	PRO
1	10-C	722	ILE
1	10-C	752	GLU
1	10-C	755	LEU
1	10-C	834	LYS
2	10-Y	31	ARG
3	10-Z	42	ILE
3	10-Z	75	LEU
3	10-Z	116	ARG
1	11-C	27	ALA
1	11-C	366	ARG
1	11-C	368	ARG
1	11-C	371	GLN
1	11-C	542	ALA
1	11-C	600	ASP
1	11-C	601	PRO
1	11-C	722	ILE
1	11-C	752	GLU
1	11-C	755	LEU
1	11-C	834	LYS
2	11-Y	31	ARG
3	11-Z	42	ILE
3	11-Z	75	LEU
3	11-Z	116	ARG
1	12-C	27	ALA

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Mol	Chain	Res	Type
1	12-C	366	ARG
1	12-C	368	ARG
1	12-C	371	GLN
1	12-C	542	ALA
1	12-C	600	ASP
1	12-C	601	PRO
1	12-C	722	ILE
1	12-C	752	GLU
1	12-C	755	LEU
1	12-C	834	LYS
2	12-Y	31	ARG
3	12-Z	42	ILE
3	12-Z	75	LEU
3	12-Z	116	ARG
1	13-C	27	ALA
1	13-C	366	ARG
1	13-C	368	ARG
1	13-C	371	GLN
1	13-C	542	ALA
1	13-C	600	ASP
1	13-C	601	PRO
1	13-C	722	ILE
1	13-C	752	GLU
1	13-C	755	LEU
1	13-C	834	LYS
2	13-Y	31	ARG
3	13-Z	42	ILE
3	13-Z	75	LEU
3	13-Z	116	ARG
1	14-C	27	ALA
1	14-C	366	ARG
1	14-C	368	ARG
1	14-C	371	GLN
1	14-C	542	ALA
1	14-C	600	ASP
1	14-C	601	PRO
1	14-C	722	ILE
1	14-C	752	GLU
1	14-C	755	LEU
1	14-C	834	LYS
2	14-Y	31	ARG
3	14-Z	42	ILE

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Mol	Chain	Res	Type
3	14-Z	75	LEU
3	14-Z	116	ARG
1	15-C	27	ALA
1	15-C	366	ARG
1	15-C	368	ARG
1	15-C	371	GLN
1	15-C	542	ALA
1	15-C	600	ASP
1	15-C	601	PRO
1	15-C	722	ILE
1	15-C	752	GLU
1	15-C	755	LEU
1	15-C	834	LYS
2	15-Y	31	ARG
3	15-Z	42	ILE
3	15-Z	75	LEU
3	15-Z	116	ARG
1	16-C	27	ALA
1	16-C	366	ARG
1	16-C	368	ARG
1	16-C	371	GLN
1	16-C	542	ALA
1	16-C	600	ASP
1	16-C	601	PRO
1	16-C	722	ILE
1	16-C	752	GLU
1	16-C	755	LEU
1	16-C	834	LYS
2	16-Y	31	ARG
3	16-Z	42	ILE
3	16-Z	75	LEU
3	16-Z	116	ARG
1	17-C	27	ALA
1	17-C	366	ARG
1	17-C	368	ARG
1	17-C	371	GLN
1	17-C	542	ALA
1	17-C	600	ASP
1	17-C	601	PRO
1	17-C	706	GLY
1	17-C	722	ILE
1	17-C	752	GLU

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Mol	Chain	Res	Type
1	17-C	755	LEU
1	17-C	834	LYS
2	17-Y	31	ARG
3	17-Z	42	ILE
3	17-Z	75	LEU
3	17-Z	116	ARG
1	18-C	27	ALA
1	18-C	366	ARG
1	18-C	368	ARG
1	18-C	371	GLN
1	18-C	542	ALA
1	18-C	600	ASP
1	18-C	601	PRO
1	18-C	722	ILE
1	18-C	752	GLU
1	18-C	755	LEU
1	18-C	834	LYS
2	18-Y	31	ARG
3	18-Z	42	ILE
3	18-Z	75	LEU
3	18-Z	116	ARG
1	19-C	27	ALA
1	19-C	366	ARG
1	19-C	368	ARG
1	19-C	371	GLN
1	19-C	542	ALA
1	19-C	600	ASP
1	19-C	601	PRO
1	19-C	722	ILE
1	19-C	752	GLU
1	19-C	755	LEU
1	19-C	775	ASP
1	19-C	800	LYS
1	19-C	834	LYS
2	19-Y	31	ARG
3	19-Z	42	ILE
3	19-Z	75	LEU
3	19-Z	116	ARG
1	20-C	27	ALA
1	20-C	366	ARG
1	20-C	368	ARG
1	20-C	371	GLN

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Mol	Chain	Res	Type
1	20-C	542	ALA
1	20-C	600	ASP
1	20-C	601	PRO
1	20-C	722	ILE
1	20-C	752	GLU
1	20-C	755	LEU
1	20-C	834	LYS
2	20-Y	31	ARG
3	20-Z	42	ILE
3	20-Z	75	LEU
3	20-Z	116	ARG
1	21-C	27	ALA
1	21-C	366	ARG
1	21-C	368	ARG
1	21-C	371	GLN
1	21-C	542	ALA
1	21-C	600	ASP
1	21-C	601	PRO
1	21-C	706	GLY
1	21-C	722	ILE
1	21-C	752	GLU
1	21-C	755	LEU
1	21-C	834	LYS
2	21-Y	31	ARG
3	21-Z	42	ILE
3	21-Z	75	LEU
3	21-Z	116	ARG
1	22-C	27	ALA
1	22-C	366	ARG
1	22-C	368	ARG
1	22-C	371	GLN
1	22-C	542	ALA
1	22-C	600	ASP
1	22-C	601	PRO
1	22-C	722	ILE
1	22-C	752	GLU
1	22-C	755	LEU
1	22-C	834	LYS
2	22-Y	31	ARG
3	22-Z	42	ILE
3	22-Z	75	LEU
3	22-Z	116	ARG

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Mol	Chain	Res	Type
1	23-C	27	ALA
1	23-C	366	ARG
1	23-C	368	ARG
1	23-C	371	GLN
1	23-C	542	ALA
1	23-C	600	ASP
1	23-C	601	PRO
1	23-C	706	GLY
1	23-C	722	ILE
1	23-C	752	GLU
1	23-C	755	LEU
1	23-C	834	LYS
2	23-Y	31	ARG
3	23-Z	42	ILE
3	23-Z	75	LEU
3	23-Z	116	ARG
1	24-C	27	ALA
1	24-C	366	ARG
1	24-C	368	ARG
1	24-C	371	GLN
1	24-C	542	ALA
1	24-C	600	ASP
1	24-C	601	PRO
1	24-C	722	ILE
1	24-C	752	GLU
1	24-C	755	LEU
1	24-C	834	LYS
2	24-Y	31	ARG
3	24-Z	42	ILE
3	24-Z	75	LEU
3	24-Z	116	ARG
1	25-C	27	ALA
1	25-C	366	ARG
1	25-C	368	ARG
1	25-C	371	GLN
1	25-C	542	ALA
1	25-C	600	ASP
1	25-C	601	PRO
1	25-C	706	GLY
1	25-C	722	ILE
1	25-C	752	GLU
1	25-C	755	LEU

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Mol	Chain	Res	Type
1	25-C	834	LYS
2	25-Y	31	ARG
3	25-Z	42	ILE
3	25-Z	75	LEU
3	25-Z	116	ARG
1	26-C	27	ALA
1	26-C	366	ARG
1	26-C	368	ARG
1	26-C	371	GLN
1	26-C	542	ALA
1	26-C	600	ASP
1	26-C	601	PRO
1	26-C	706	GLY
1	26-C	722	ILE
1	26-C	752	GLU
1	26-C	755	LEU
1	26-C	834	LYS
2	26-Y	31	ARG
3	26-Z	42	ILE
3	26-Z	75	LEU
3	26-Z	116	ARG
1	27-C	27	ALA
1	27-C	366	ARG
1	27-C	368	ARG
1	27-C	371	GLN
1	27-C	542	ALA
1	27-C	600	ASP
1	27-C	601	PRO
1	27-C	722	ILE
1	27-C	752	GLU
1	27-C	755	LEU
1	27-C	834	LYS
2	27-Y	31	ARG
3	27-Z	42	ILE
3	27-Z	75	LEU
3	27-Z	116	ARG
1	28-C	27	ALA
1	28-C	366	ARG
1	28-C	368	ARG
1	28-C	371	GLN
1	28-C	542	ALA
1	28-C	600	ASP

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Mol	Chain	Res	Type
1	28-C	601	PRO
1	28-C	722	ILE
1	28-C	752	GLU
1	28-C	755	LEU
1	28-C	775	ASP
1	28-C	834	LYS
2	28-Y	31	ARG
3	28-Z	42	ILE
3	28-Z	75	LEU
3	28-Z	116	ARG
1	29-C	27	ALA
1	29-C	366	ARG
1	29-C	368	ARG
1	29-C	371	GLN
1	29-C	542	ALA
1	29-C	600	ASP
1	29-C	601	PRO
1	29-C	706	GLY
1	29-C	722	ILE
1	29-C	752	GLU
1	29-C	755	LEU
1	29-C	834	LYS
2	29-Y	31	ARG
3	29-Z	42	ILE
3	29-Z	75	LEU
3	29-Z	116	ARG
1	30-C	27	ALA
1	30-C	366	ARG
1	30-C	368	ARG
1	30-C	371	GLN
1	30-C	542	ALA
1	30-C	600	ASP
1	30-C	601	PRO
1	30-C	722	ILE
1	30-C	752	GLU
1	30-C	755	LEU
1	30-C	834	LYS
2	30-Y	31	ARG
3	30-Z	42	ILE
3	30-Z	75	LEU
3	30-Z	116	ARG
1	31-C	27	ALA

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Mol	Chain	Res	Type
1	31-C	366	ARG
1	31-C	368	ARG
1	31-C	371	GLN
1	31-C	542	ALA
1	31-C	600	ASP
1	31-C	601	PRO
1	31-C	722	ILE
1	31-C	752	GLU
1	31-C	755	LEU
1	31-C	775	ASP
1	31-C	834	LYS
2	31-Y	31	ARG
3	31-Z	42	ILE
3	31-Z	75	LEU
3	31-Z	116	ARG
1	32-C	27	ALA
1	32-C	366	ARG
1	32-C	368	ARG
1	32-C	371	GLN
1	32-C	542	ALA
1	32-C	600	ASP
1	32-C	601	PRO
1	32-C	706	GLY
1	32-C	722	ILE
1	32-C	752	GLU
1	32-C	755	LEU
1	32-C	834	LYS
2	32-Y	31	ARG
3	32-Z	42	ILE
3	32-Z	75	LEU
3	32-Z	116	ARG
1	33-C	27	ALA
1	33-C	366	ARG
1	33-C	368	ARG
1	33-C	371	GLN
1	33-C	542	ALA
1	33-C	600	ASP
1	33-C	601	PRO
1	33-C	722	ILE
1	33-C	752	GLU
1	33-C	755	LEU
1	33-C	834	LYS

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Mol	Chain	Res	Type
2	33-Y	31	ARG
3	33-Z	42	ILE
3	33-Z	75	LEU
3	33-Z	116	ARG
1	34-C	27	ALA
1	34-C	366	ARG
1	34-C	368	ARG
1	34-C	371	GLN
1	34-C	542	ALA
1	34-C	600	ASP
1	34-C	601	PRO
1	34-C	722	ILE
1	34-C	752	GLU
1	34-C	755	LEU
1	34-C	834	LYS
2	34-Y	31	ARG
3	34-Z	42	ILE
3	34-Z	75	LEU
3	34-Z	116	ARG
1	35-C	27	ALA
1	35-C	366	ARG
1	35-C	368	ARG
1	35-C	371	GLN
1	35-C	542	ALA
1	35-C	600	ASP
1	35-C	601	PRO
1	35-C	722	ILE
1	35-C	752	GLU
1	35-C	755	LEU
1	35-C	834	LYS
2	35-Y	31	ARG
3	35-Z	42	ILE
3	35-Z	75	LEU
3	35-Z	116	ARG
1	36-C	27	ALA
1	36-C	366	ARG
1	36-C	368	ARG
1	36-C	371	GLN
1	36-C	542	ALA
1	36-C	600	ASP
1	36-C	601	PRO
1	36-C	722	ILE

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Mol	Chain	Res	Type
1	36-C	752	GLU
1	36-C	755	LEU
1	36-C	834	LYS
2	36-Y	31	ARG
3	36-Z	42	ILE
3	36-Z	75	LEU
3	36-Z	116	ARG
1	37-C	27	ALA
1	37-C	366	ARG
1	37-C	368	ARG
1	37-C	371	GLN
1	37-C	542	ALA
1	37-C	600	ASP
1	37-C	601	PRO
1	37-C	722	ILE
1	37-C	752	GLU
1	37-C	755	LEU
1	37-C	834	LYS
2	37-Y	31	ARG
3	37-Z	42	ILE
3	37-Z	75	LEU
3	37-Z	116	ARG
1	38-C	27	ALA
1	38-C	366	ARG
1	38-C	368	ARG
1	38-C	371	GLN
1	38-C	542	ALA
1	38-C	600	ASP
1	38-C	601	PRO
1	38-C	722	ILE
1	38-C	752	GLU
1	38-C	755	LEU
1	38-C	834	LYS
2	38-Y	31	ARG
3	38-Z	42	ILE
3	38-Z	75	LEU
3	38-Z	116	ARG
1	39-C	27	ALA
1	39-C	366	ARG
1	39-C	368	ARG
1	39-C	371	GLN
1	39-C	542	ALA

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Mol	Chain	Res	Type
1	39-C	600	ASP
1	39-C	601	PRO
1	39-C	722	ILE
1	39-C	752	GLU
1	39-C	755	LEU
1	39-C	834	LYS
2	39-Y	31	ARG
3	39-Z	42	ILE
3	39-Z	75	LEU
3	39-Z	116	ARG
1	40-C	27	ALA
1	40-C	366	ARG
1	40-C	368	ARG
1	40-C	371	GLN
1	40-C	542	ALA
1	40-C	600	ASP
1	40-C	601	PRO
1	40-C	722	ILE
1	40-C	752	GLU
1	40-C	755	LEU
1	40-C	834	LYS
2	40-Y	31	ARG
3	40-Z	42	ILE
3	40-Z	75	LEU
3	40-Z	116	ARG
1	41-C	27	ALA
1	41-C	366	ARG
1	41-C	368	ARG
1	41-C	371	GLN
1	41-C	542	ALA
1	41-C	600	ASP
1	41-C	601	PRO
1	41-C	722	ILE
1	41-C	752	GLU
1	41-C	755	LEU
1	41-C	834	LYS
2	41-Y	31	ARG
3	41-Z	42	ILE
3	41-Z	75	LEU
3	41-Z	116	ARG
1	42-C	27	ALA
1	42-C	366	ARG

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Mol	Chain	Res	Type
1	42-C	368	ARG
1	42-C	371	GLN
1	42-C	542	ALA
1	42-C	600	ASP
1	42-C	601	PRO
1	42-C	706	GLY
1	42-C	722	ILE
1	42-C	752	GLU
1	42-C	755	LEU
1	42-C	834	LYS
2	42-Y	31	ARG
3	42-Z	42	ILE
3	42-Z	75	LEU
3	42-Z	116	ARG
1	43-C	27	ALA
1	43-C	366	ARG
1	43-C	368	ARG
1	43-C	371	GLN
1	43-C	542	ALA
1	43-C	600	ASP
1	43-C	601	PRO
1	43-C	722	ILE
1	43-C	752	GLU
1	43-C	755	LEU
1	43-C	775	ASP
1	43-C	834	LYS
2	43-Y	31	ARG
3	43-Z	42	ILE
3	43-Z	75	LEU
3	43-Z	116	ARG
1	1-C	26	ALA
1	1-C	62	ALA
1	1-C	96	GLU
1	1-C	145	LYS
1	1-C	291	ASN
1	1-C	367	PRO
1	1-C	518	MET
1	1-C	528	GLY
1	1-C	746	LEU
1	1-C	763	LYS
1	1-C	825	GLN
2	1-Y	30	ASP

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Mol	Chain	Res	Type
2	1-Y	66	PRO
2	1-Y	80	LEU
3	1-Z	115	GLU
1	2-C	26	ALA
1	2-C	62	ALA
1	2-C	96	GLU
1	2-C	145	LYS
1	2-C	291	ASN
1	2-C	367	PRO
1	2-C	518	MET
1	2-C	528	GLY
1	2-C	705	LYS
1	2-C	746	LEU
1	2-C	763	LYS
1	2-C	825	GLN
2	2-Y	30	ASP
2	2-Y	66	PRO
2	2-Y	80	LEU
3	2-Z	115	GLU
1	3-C	26	ALA
1	3-C	62	ALA
1	3-C	96	GLU
1	3-C	145	LYS
1	3-C	291	ASN
1	3-C	367	PRO
1	3-C	518	MET
1	3-C	528	GLY
1	3-C	746	LEU
1	3-C	763	LYS
1	3-C	825	GLN
2	3-Y	30	ASP
2	3-Y	66	PRO
2	3-Y	80	LEU
3	3-Z	115	GLU
1	4-C	26	ALA
1	4-C	62	ALA
1	4-C	96	GLU
1	4-C	145	LYS
1	4-C	291	ASN
1	4-C	367	PRO
1	4-C	518	MET
1	4-C	528	GLY

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Mol	Chain	Res	Type
1	4-C	706	GLY
1	4-C	746	LEU
1	4-C	763	LYS
1	4-C	825	GLN
2	4-Y	30	ASP
2	4-Y	66	PRO
2	4-Y	80	LEU
3	4-Z	115	GLU
1	5-C	26	ALA
1	5-C	62	ALA
1	5-C	96	GLU
1	5-C	145	LYS
1	5-C	291	ASN
1	5-C	367	PRO
1	5-C	518	MET
1	5-C	528	GLY
1	5-C	746	LEU
1	5-C	763	LYS
1	5-C	825	GLN
2	5-Y	30	ASP
2	5-Y	66	PRO
2	5-Y	80	LEU
3	5-Z	115	GLU
1	6-C	26	ALA
1	6-C	62	ALA
1	6-C	96	GLU
1	6-C	145	LYS
1	6-C	291	ASN
1	6-C	367	PRO
1	6-C	518	MET
1	6-C	528	GLY
1	6-C	746	LEU
1	6-C	763	LYS
1	6-C	825	GLN
2	6-Y	30	ASP
2	6-Y	66	PRO
2	6-Y	80	LEU
3	6-Z	115	GLU
1	7-C	26	ALA
1	7-C	62	ALA
1	7-C	96	GLU
1	7-C	145	LYS

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Mol	Chain	Res	Type
1	7-C	291	ASN
1	7-C	367	PRO
1	7-C	518	MET
1	7-C	528	GLY
1	7-C	746	LEU
1	7-C	763	LYS
1	7-C	825	GLN
2	7-Y	30	ASP
2	7-Y	66	PRO
2	7-Y	80	LEU
3	7-Z	115	GLU
1	8-C	26	ALA
1	8-C	62	ALA
1	8-C	96	GLU
1	8-C	145	LYS
1	8-C	291	ASN
1	8-C	367	PRO
1	8-C	518	MET
1	8-C	528	GLY
1	8-C	746	LEU
1	8-C	763	LYS
1	8-C	825	GLN
2	8-Y	30	ASP
2	8-Y	66	PRO
2	8-Y	80	LEU
3	8-Z	115	GLU
1	9-C	26	ALA
1	9-C	62	ALA
1	9-C	96	GLU
1	9-C	145	LYS
1	9-C	291	ASN
1	9-C	367	PRO
1	9-C	518	MET
1	9-C	528	GLY
1	9-C	746	LEU
1	9-C	763	LYS
1	9-C	825	GLN
2	9-Y	30	ASP
2	9-Y	66	PRO
2	9-Y	80	LEU
3	9-Z	115	GLU
1	10-C	26	ALA

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Mol	Chain	Res	Type
1	10-C	62	ALA
1	10-C	96	GLU
1	10-C	145	LYS
1	10-C	291	ASN
1	10-C	367	PRO
1	10-C	518	MET
1	10-C	528	GLY
1	10-C	746	LEU
1	10-C	763	LYS
1	10-C	825	GLN
2	10-Y	30	ASP
2	10-Y	66	PRO
2	10-Y	80	LEU
3	10-Z	115	GLU
1	11-C	26	ALA
1	11-C	62	ALA
1	11-C	96	GLU
1	11-C	145	LYS
1	11-C	291	ASN
1	11-C	367	PRO
1	11-C	518	MET
1	11-C	528	GLY
1	11-C	706	GLY
1	11-C	746	LEU
1	11-C	763	LYS
1	11-C	825	GLN
2	11-Y	30	ASP
2	11-Y	66	PRO
2	11-Y	80	LEU
3	11-Z	115	GLU
1	12-C	26	ALA
1	12-C	62	ALA
1	12-C	96	GLU
1	12-C	145	LYS
1	12-C	291	ASN
1	12-C	367	PRO
1	12-C	518	MET
1	12-C	528	GLY
1	12-C	746	LEU
1	12-C	763	LYS
1	12-C	825	GLN
2	12-Y	30	ASP

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Mol	Chain	Res	Type
2	12-Y	66	PRO
2	12-Y	80	LEU
3	12-Z	115	GLU
1	13-C	26	ALA
1	13-C	62	ALA
1	13-C	96	GLU
1	13-C	145	LYS
1	13-C	291	ASN
1	13-C	367	PRO
1	13-C	518	MET
1	13-C	528	GLY
1	13-C	746	LEU
1	13-C	763	LYS
1	13-C	825	GLN
2	13-Y	30	ASP
2	13-Y	66	PRO
2	13-Y	80	LEU
3	13-Z	115	GLU
1	14-C	26	ALA
1	14-C	62	ALA
1	14-C	96	GLU
1	14-C	145	LYS
1	14-C	291	ASN
1	14-C	367	PRO
1	14-C	518	MET
1	14-C	528	GLY
1	14-C	746	LEU
1	14-C	763	LYS
1	14-C	825	GLN
2	14-Y	30	ASP
2	14-Y	66	PRO
2	14-Y	80	LEU
3	14-Z	115	GLU
1	15-C	26	ALA
1	15-C	62	ALA
1	15-C	96	GLU
1	15-C	145	LYS
1	15-C	291	ASN
1	15-C	367	PRO
1	15-C	518	MET
1	15-C	528	GLY
1	15-C	746	LEU

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Mol	Chain	Res	Type
1	15-C	763	LYS
1	15-C	825	GLN
2	15-Y	30	ASP
2	15-Y	66	PRO
2	15-Y	80	LEU
3	15-Z	115	GLU
1	16-C	26	ALA
1	16-C	62	ALA
1	16-C	96	GLU
1	16-C	145	LYS
1	16-C	291	ASN
1	16-C	367	PRO
1	16-C	518	MET
1	16-C	528	GLY
1	16-C	746	LEU
1	16-C	763	LYS
1	16-C	825	GLN
2	16-Y	30	ASP
2	16-Y	66	PRO
2	16-Y	80	LEU
3	16-Z	115	GLU
1	17-C	26	ALA
1	17-C	62	ALA
1	17-C	96	GLU
1	17-C	145	LYS
1	17-C	291	ASN
1	17-C	367	PRO
1	17-C	518	MET
1	17-C	528	GLY
1	17-C	746	LEU
1	17-C	763	LYS
1	17-C	825	GLN
2	17-Y	30	ASP
2	17-Y	66	PRO
2	17-Y	80	LEU
3	17-Z	115	GLU
1	18-C	26	ALA
1	18-C	62	ALA
1	18-C	96	GLU
1	18-C	145	LYS
1	18-C	291	ASN
1	18-C	367	PRO

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Mol	Chain	Res	Type
1	18-C	518	MET
1	18-C	528	GLY
1	18-C	746	LEU
1	18-C	763	LYS
1	18-C	800	LYS
1	18-C	825	GLN
2	18-Y	30	ASP
2	18-Y	66	PRO
2	18-Y	80	LEU
3	18-Z	115	GLU
1	19-C	26	ALA
1	19-C	62	ALA
1	19-C	96	GLU
1	19-C	145	LYS
1	19-C	291	ASN
1	19-C	367	PRO
1	19-C	518	MET
1	19-C	528	GLY
1	19-C	746	LEU
1	19-C	763	LYS
1	19-C	825	GLN
2	19-Y	30	ASP
2	19-Y	66	PRO
2	19-Y	80	LEU
3	19-Z	115	GLU
1	20-C	26	ALA
1	20-C	62	ALA
1	20-C	96	GLU
1	20-C	145	LYS
1	20-C	291	ASN
1	20-C	367	PRO
1	20-C	518	MET
1	20-C	528	GLY
1	20-C	746	LEU
1	20-C	763	LYS
1	20-C	825	GLN
2	20-Y	30	ASP
2	20-Y	66	PRO
2	20-Y	80	LEU
3	20-Z	115	GLU
1	21-C	26	ALA
1	21-C	62	ALA

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Mol	Chain	Res	Type
1	21-C	96	GLU
1	21-C	145	LYS
1	21-C	291	ASN
1	21-C	367	PRO
1	21-C	518	MET
1	21-C	528	GLY
1	21-C	746	LEU
1	21-C	763	LYS
1	21-C	825	GLN
2	21-Y	30	ASP
2	21-Y	66	PRO
2	21-Y	80	LEU
3	21-Z	115	GLU
1	22-C	26	ALA
1	22-C	62	ALA
1	22-C	96	GLU
1	22-C	145	LYS
1	22-C	291	ASN
1	22-C	367	PRO
1	22-C	518	MET
1	22-C	528	GLY
1	22-C	746	LEU
1	22-C	763	LYS
1	22-C	825	GLN
2	22-Y	30	ASP
2	22-Y	66	PRO
2	22-Y	80	LEU
3	22-Z	115	GLU
1	23-C	26	ALA
1	23-C	62	ALA
1	23-C	96	GLU
1	23-C	145	LYS
1	23-C	291	ASN
1	23-C	367	PRO
1	23-C	518	MET
1	23-C	528	GLY
1	23-C	746	LEU
1	23-C	763	LYS
1	23-C	825	GLN
2	23-Y	30	ASP
2	23-Y	66	PRO
2	23-Y	80	LEU

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Mol	Chain	Res	Type
3	23-Z	115	GLU
1	24-C	26	ALA
1	24-C	62	ALA
1	24-C	96	GLU
1	24-C	145	LYS
1	24-C	291	ASN
1	24-C	367	PRO
1	24-C	518	MET
1	24-C	528	GLY
1	24-C	746	LEU
1	24-C	763	LYS
1	24-C	825	GLN
2	24-Y	30	ASP
2	24-Y	66	PRO
2	24-Y	80	LEU
3	24-Z	115	GLU
1	25-C	26	ALA
1	25-C	62	ALA
1	25-C	96	GLU
1	25-C	145	LYS
1	25-C	291	ASN
1	25-C	367	PRO
1	25-C	518	MET
1	25-C	528	GLY
1	25-C	746	LEU
1	25-C	763	LYS
1	25-C	825	GLN
2	25-Y	30	ASP
2	25-Y	66	PRO
2	25-Y	80	LEU
3	25-Z	115	GLU
1	26-C	26	ALA
1	26-C	62	ALA
1	26-C	96	GLU
1	26-C	145	LYS
1	26-C	291	ASN
1	26-C	367	PRO
1	26-C	518	MET
1	26-C	528	GLY
1	26-C	746	LEU
1	26-C	763	LYS
1	26-C	825	GLN

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Mol	Chain	Res	Type
2	26-Y	30	ASP
2	26-Y	66	PRO
2	26-Y	80	LEU
3	26-Z	115	GLU
1	27-C	26	ALA
1	27-C	62	ALA
1	27-C	96	GLU
1	27-C	145	LYS
1	27-C	291	ASN
1	27-C	367	PRO
1	27-C	518	MET
1	27-C	528	GLY
1	27-C	746	LEU
1	27-C	763	LYS
1	27-C	825	GLN
2	27-Y	30	ASP
2	27-Y	66	PRO
2	27-Y	80	LEU
3	27-Z	115	GLU
1	28-C	26	ALA
1	28-C	62	ALA
1	28-C	96	GLU
1	28-C	145	LYS
1	28-C	291	ASN
1	28-C	367	PRO
1	28-C	518	MET
1	28-C	528	GLY
1	28-C	746	LEU
1	28-C	763	LYS
1	28-C	825	GLN
2	28-Y	30	ASP
2	28-Y	66	PRO
2	28-Y	80	LEU
3	28-Z	115	GLU
1	29-C	26	ALA
1	29-C	62	ALA
1	29-C	96	GLU
1	29-C	145	LYS
1	29-C	291	ASN
1	29-C	367	PRO
1	29-C	518	MET
1	29-C	528	GLY

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Mol	Chain	Res	Type
1	29-C	746	LEU
1	29-C	763	LYS
1	29-C	825	GLN
2	29-Y	30	ASP
2	29-Y	66	PRO
2	29-Y	80	LEU
3	29-Z	115	GLU
1	30-C	26	ALA
1	30-C	62	ALA
1	30-C	96	GLU
1	30-C	145	LYS
1	30-C	291	ASN
1	30-C	367	PRO
1	30-C	518	MET
1	30-C	528	GLY
1	30-C	706	GLY
1	30-C	746	LEU
1	30-C	763	LYS
1	30-C	825	GLN
2	30-Y	30	ASP
2	30-Y	66	PRO
2	30-Y	80	LEU
3	30-Z	115	GLU
1	31-C	26	ALA
1	31-C	62	ALA
1	31-C	96	GLU
1	31-C	145	LYS
1	31-C	291	ASN
1	31-C	367	PRO
1	31-C	518	MET
1	31-C	528	GLY
1	31-C	746	LEU
1	31-C	763	LYS
1	31-C	774	ARG
1	31-C	825	GLN
2	31-Y	30	ASP
2	31-Y	66	PRO
2	31-Y	80	LEU
3	31-Z	115	GLU
1	32-C	26	ALA
1	32-C	62	ALA
1	32-C	96	GLU

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Mol	Chain	Res	Type
1	32-C	145	LYS
1	32-C	291	ASN
1	32-C	367	PRO
1	32-C	518	MET
1	32-C	528	GLY
1	32-C	705	LYS
1	32-C	746	LEU
1	32-C	763	LYS
1	32-C	825	GLN
2	32-Y	30	ASP
2	32-Y	66	PRO
2	32-Y	80	LEU
3	32-Z	115	GLU
1	33-C	26	ALA
1	33-C	62	ALA
1	33-C	96	GLU
1	33-C	145	LYS
1	33-C	291	ASN
1	33-C	367	PRO
1	33-C	518	MET
1	33-C	528	GLY
1	33-C	746	LEU
1	33-C	763	LYS
1	33-C	825	GLN
2	33-Y	30	ASP
2	33-Y	66	PRO
2	33-Y	80	LEU
3	33-Z	115	GLU
1	34-C	26	ALA
1	34-C	62	ALA
1	34-C	96	GLU
1	34-C	145	LYS
1	34-C	291	ASN
1	34-C	367	PRO
1	34-C	518	MET
1	34-C	528	GLY
1	34-C	746	LEU
1	34-C	763	LYS
1	34-C	825	GLN
2	34-Y	30	ASP
2	34-Y	66	PRO
2	34-Y	80	LEU

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Mol	Chain	Res	Type
3	34-Z	115	GLU
1	35-C	26	ALA
1	35-C	62	ALA
1	35-C	96	GLU
1	35-C	145	LYS
1	35-C	291	ASN
1	35-C	367	PRO
1	35-C	518	MET
1	35-C	528	GLY
1	35-C	746	LEU
1	35-C	763	LYS
1	35-C	800	LYS
1	35-C	825	GLN
2	35-Y	30	ASP
2	35-Y	66	PRO
2	35-Y	80	LEU
3	35-Z	115	GLU
1	36-C	26	ALA
1	36-C	62	ALA
1	36-C	96	GLU
1	36-C	145	LYS
1	36-C	291	ASN
1	36-C	367	PRO
1	36-C	518	MET
1	36-C	528	GLY
1	36-C	746	LEU
1	36-C	763	LYS
1	36-C	825	GLN
2	36-Y	30	ASP
2	36-Y	66	PRO
2	36-Y	80	LEU
3	36-Z	115	GLU
1	37-C	26	ALA
1	37-C	62	ALA
1	37-C	96	GLU
1	37-C	145	LYS
1	37-C	291	ASN
1	37-C	367	PRO
1	37-C	518	MET
1	37-C	528	GLY
1	37-C	746	LEU
1	37-C	763	LYS

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Mol	Chain	Res	Type
1	37-C	825	GLN
2	37-Y	30	ASP
2	37-Y	66	PRO
2	37-Y	80	LEU
3	37-Z	115	GLU
1	38-C	26	ALA
1	38-C	62	ALA
1	38-C	96	GLU
1	38-C	145	LYS
1	38-C	291	ASN
1	38-C	367	PRO
1	38-C	518	MET
1	38-C	528	GLY
1	38-C	746	LEU
1	38-C	763	LYS
1	38-C	825	GLN
2	38-Y	30	ASP
2	38-Y	66	PRO
2	38-Y	80	LEU
3	38-Z	115	GLU
1	39-C	26	ALA
1	39-C	62	ALA
1	39-C	96	GLU
1	39-C	145	LYS
1	39-C	291	ASN
1	39-C	367	PRO
1	39-C	518	MET
1	39-C	528	GLY
1	39-C	746	LEU
1	39-C	763	LYS
1	39-C	825	GLN
2	39-Y	30	ASP
2	39-Y	66	PRO
2	39-Y	80	LEU
3	39-Z	115	GLU
1	40-C	26	ALA
1	40-C	62	ALA
1	40-C	96	GLU
1	40-C	145	LYS
1	40-C	291	ASN
1	40-C	367	PRO
1	40-C	518	MET

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Mol	Chain	Res	Type
1	40-C	528	GLY
1	40-C	746	LEU
1	40-C	763	LYS
1	40-C	825	GLN
2	40-Y	30	ASP
2	40-Y	66	PRO
2	40-Y	80	LEU
3	40-Z	115	GLU
1	41-C	26	ALA
1	41-C	62	ALA
1	41-C	96	GLU
1	41-C	145	LYS
1	41-C	291	ASN
1	41-C	367	PRO
1	41-C	518	MET
1	41-C	528	GLY
1	41-C	746	LEU
1	41-C	763	LYS
1	41-C	825	GLN
2	41-Y	30	ASP
2	41-Y	66	PRO
2	41-Y	80	LEU
3	41-Z	115	GLU
1	42-C	26	ALA
1	42-C	62	ALA
1	42-C	96	GLU
1	42-C	145	LYS
1	42-C	291	ASN
1	42-C	367	PRO
1	42-C	518	MET
1	42-C	528	GLY
1	42-C	746	LEU
1	42-C	763	LYS
1	42-C	825	GLN
2	42-Y	30	ASP
2	42-Y	66	PRO
2	42-Y	80	LEU
3	42-Z	115	GLU
1	43-C	26	ALA
1	43-C	62	ALA
1	43-C	96	GLU
1	43-C	145	LYS

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Mol	Chain	Res	Type
1	43-C	291	ASN
1	43-C	367	PRO
1	43-C	518	MET
1	43-C	528	GLY
1	43-C	746	LEU
1	43-C	763	LYS
1	43-C	825	GLN
2	43-Y	30	ASP
2	43-Y	66	PRO
2	43-Y	80	LEU
3	43-Z	115	GLU
1	1-C	52	LYS
1	1-C	149	PRO
1	1-C	395	LEU
1	1-C	505	ILE
1	1-C	691	LEU
1	1-C	727	ALA
3	1-Z	25	ASP
3	1-Z	59	GLY
3	1-Z	124	GLU
1	2-C	52	LYS
1	2-C	149	PRO
1	2-C	395	LEU
1	2-C	505	ILE
1	2-C	691	LEU
1	2-C	727	ALA
3	2-Z	25	ASP
3	2-Z	59	GLY
3	2-Z	124	GLU
1	3-C	52	LYS
1	3-C	149	PRO
1	3-C	395	LEU
1	3-C	505	ILE
1	3-C	691	LEU
1	3-C	727	ALA
3	3-Z	25	ASP
3	3-Z	59	GLY
3	3-Z	124	GLU
1	4-C	52	LYS
1	4-C	149	PRO
1	4-C	395	LEU
1	4-C	505	ILE

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Mol	Chain	Res	Type
1	4-C	691	LEU
1	4-C	727	ALA
3	4-Z	25	ASP
3	4-Z	59	GLY
3	4-Z	124	GLU
1	5-C	52	LYS
1	5-C	149	PRO
1	5-C	395	LEU
1	5-C	505	ILE
1	5-C	691	LEU
1	5-C	727	ALA
3	5-Z	25	ASP
3	5-Z	59	GLY
3	5-Z	124	GLU
1	6-C	52	LYS
1	6-C	149	PRO
1	6-C	395	LEU
1	6-C	505	ILE
1	6-C	691	LEU
1	6-C	727	ALA
3	6-Z	25	ASP
3	6-Z	59	GLY
3	6-Z	124	GLU
1	7-C	52	LYS
1	7-C	149	PRO
1	7-C	395	LEU
1	7-C	505	ILE
1	7-C	691	LEU
1	7-C	727	ALA
3	7-Z	25	ASP
3	7-Z	59	GLY
3	7-Z	124	GLU
1	8-C	52	LYS
1	8-C	149	PRO
1	8-C	395	LEU
1	8-C	505	ILE
1	8-C	691	LEU
1	8-C	727	ALA
3	8-Z	25	ASP
3	8-Z	59	GLY
3	8-Z	124	GLU
1	9-C	52	LYS

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Mol	Chain	Res	Type
1	9-C	149	PRO
1	9-C	395	LEU
1	9-C	505	ILE
1	9-C	691	LEU
1	9-C	727	ALA
3	9-Z	25	ASP
3	9-Z	59	GLY
3	9-Z	124	GLU
1	10-C	52	LYS
1	10-C	149	PRO
1	10-C	395	LEU
1	10-C	505	ILE
1	10-C	691	LEU
1	10-C	727	ALA
3	10-Z	25	ASP
3	10-Z	59	GLY
3	10-Z	124	GLU
1	11-C	52	LYS
1	11-C	149	PRO
1	11-C	395	LEU
1	11-C	505	ILE
1	11-C	691	LEU
1	11-C	727	ALA
3	11-Z	25	ASP
3	11-Z	59	GLY
3	11-Z	124	GLU
1	12-C	52	LYS
1	12-C	149	PRO
1	12-C	395	LEU
1	12-C	505	ILE
1	12-C	691	LEU
1	12-C	727	ALA
3	12-Z	25	ASP
3	12-Z	59	GLY
3	12-Z	124	GLU
1	13-C	52	LYS
1	13-C	149	PRO
1	13-C	505	ILE
1	13-C	691	LEU
1	13-C	727	ALA
3	13-Z	25	ASP
3	13-Z	59	GLY

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Mol	Chain	Res	Type
3	13-Z	124	GLU
1	14-C	52	LYS
1	14-C	149	PRO
1	14-C	395	LEU
1	14-C	505	ILE
1	14-C	691	LEU
1	14-C	706	GLY
1	14-C	727	ALA
3	14-Z	25	ASP
3	14-Z	59	GLY
3	14-Z	124	GLU
1	15-C	52	LYS
1	15-C	149	PRO
1	15-C	395	LEU
1	15-C	505	ILE
1	15-C	691	LEU
1	15-C	727	ALA
3	15-Z	25	ASP
3	15-Z	59	GLY
3	15-Z	124	GLU
1	16-C	52	LYS
1	16-C	149	PRO
1	16-C	395	LEU
1	16-C	505	ILE
1	16-C	691	LEU
1	16-C	727	ALA
3	16-Z	25	ASP
3	16-Z	59	GLY
3	16-Z	124	GLU
1	17-C	52	LYS
1	17-C	149	PRO
1	17-C	395	LEU
1	17-C	505	ILE
1	17-C	691	LEU
1	17-C	727	ALA
3	17-Z	25	ASP
3	17-Z	59	GLY
3	17-Z	124	GLU
1	18-C	52	LYS
1	18-C	149	PRO
1	18-C	395	LEU
1	18-C	505	ILE

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Mol	Chain	Res	Type
1	18-C	691	LEU
1	18-C	727	ALA
3	18-Z	25	ASP
3	18-Z	59	GLY
3	18-Z	124	GLU
1	19-C	52	LYS
1	19-C	149	PRO
1	19-C	395	LEU
1	19-C	505	ILE
1	19-C	691	LEU
1	19-C	727	ALA
1	19-C	774	ARG
3	19-Z	25	ASP
3	19-Z	59	GLY
3	19-Z	124	GLU
1	20-C	52	LYS
1	20-C	149	PRO
1	20-C	395	LEU
1	20-C	505	ILE
1	20-C	691	LEU
1	20-C	727	ALA
3	20-Z	25	ASP
3	20-Z	59	GLY
3	20-Z	124	GLU
1	21-C	52	LYS
1	21-C	149	PRO
1	21-C	395	LEU
1	21-C	505	ILE
1	21-C	691	LEU
1	21-C	727	ALA
3	21-Z	25	ASP
3	21-Z	59	GLY
3	21-Z	124	GLU
1	22-C	52	LYS
1	22-C	149	PRO
1	22-C	395	LEU
1	22-C	505	ILE
1	22-C	691	LEU
1	22-C	727	ALA
3	22-Z	25	ASP
3	22-Z	59	GLY
3	22-Z	124	GLU

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Mol	Chain	Res	Type
1	23-C	52	LYS
1	23-C	149	PRO
1	23-C	395	LEU
1	23-C	505	ILE
1	23-C	691	LEU
1	23-C	727	ALA
3	23-Z	25	ASP
3	23-Z	59	GLY
3	23-Z	124	GLU
1	24-C	52	LYS
1	24-C	149	PRO
1	24-C	395	LEU
1	24-C	505	ILE
1	24-C	691	LEU
1	24-C	727	ALA
3	24-Z	25	ASP
3	24-Z	59	GLY
3	24-Z	124	GLU
1	25-C	52	LYS
1	25-C	149	PRO
1	25-C	395	LEU
1	25-C	505	ILE
1	25-C	691	LEU
1	25-C	727	ALA
3	25-Z	25	ASP
3	25-Z	59	GLY
3	25-Z	124	GLU
1	26-C	52	LYS
1	26-C	149	PRO
1	26-C	395	LEU
1	26-C	505	ILE
1	26-C	691	LEU
1	26-C	727	ALA
3	26-Z	25	ASP
3	26-Z	59	GLY
3	26-Z	124	GLU
1	27-C	52	LYS
1	27-C	149	PRO
1	27-C	395	LEU
1	27-C	505	ILE
1	27-C	691	LEU
1	27-C	727	ALA

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Mol	Chain	Res	Type
3	27-Z	25	ASP
3	27-Z	59	GLY
3	27-Z	124	GLU
1	28-C	52	LYS
1	28-C	149	PRO
1	28-C	505	ILE
1	28-C	691	LEU
1	28-C	727	ALA
3	28-Z	25	ASP
3	28-Z	59	GLY
3	28-Z	124	GLU
1	29-C	52	LYS
1	29-C	149	PRO
1	29-C	505	ILE
1	29-C	691	LEU
1	29-C	727	ALA
3	29-Z	25	ASP
3	29-Z	59	GLY
3	29-Z	124	GLU
1	30-C	52	LYS
1	30-C	149	PRO
1	30-C	395	LEU
1	30-C	505	ILE
1	30-C	691	LEU
1	30-C	727	ALA
3	30-Z	25	ASP
3	30-Z	59	GLY
3	30-Z	124	GLU
1	31-C	52	LYS
1	31-C	149	PRO
1	31-C	395	LEU
1	31-C	505	ILE
1	31-C	691	LEU
1	31-C	705	LYS
1	31-C	727	ALA
3	31-Z	25	ASP
3	31-Z	59	GLY
3	31-Z	124	GLU
1	32-C	52	LYS
1	32-C	149	PRO
1	32-C	395	LEU
1	32-C	505	ILE

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Mol	Chain	Res	Type
1	32-C	691	LEU
1	32-C	727	ALA
3	32-Z	25	ASP
3	32-Z	59	GLY
3	32-Z	124	GLU
1	33-C	52	LYS
1	33-C	149	PRO
1	33-C	395	LEU
1	33-C	505	ILE
1	33-C	691	LEU
1	33-C	727	ALA
3	33-Z	25	ASP
3	33-Z	59	GLY
3	33-Z	124	GLU
1	34-C	52	LYS
1	34-C	149	PRO
1	34-C	395	LEU
1	34-C	505	ILE
1	34-C	691	LEU
1	34-C	727	ALA
3	34-Z	25	ASP
3	34-Z	59	GLY
3	34-Z	124	GLU
1	35-C	52	LYS
1	35-C	149	PRO
1	35-C	505	ILE
1	35-C	691	LEU
1	35-C	727	ALA
3	35-Z	25	ASP
3	35-Z	59	GLY
3	35-Z	124	GLU
1	36-C	52	LYS
1	36-C	149	PRO
1	36-C	505	ILE
1	36-C	691	LEU
1	36-C	727	ALA
3	36-Z	25	ASP
3	36-Z	59	GLY
3	36-Z	124	GLU
1	37-C	52	LYS
1	37-C	149	PRO
1	37-C	395	LEU

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Mol	Chain	Res	Type
1	37-C	505	ILE
1	37-C	691	LEU
1	37-C	727	ALA
3	37-Z	25	ASP
3	37-Z	59	GLY
3	37-Z	124	GLU
1	38-C	52	LYS
1	38-C	149	PRO
1	38-C	395	LEU
1	38-C	505	ILE
1	38-C	691	LEU
1	38-C	727	ALA
3	38-Z	25	ASP
3	38-Z	59	GLY
3	38-Z	124	GLU
1	39-C	52	LYS
1	39-C	149	PRO
1	39-C	395	LEU
1	39-C	505	ILE
1	39-C	691	LEU
1	39-C	727	ALA
3	39-Z	25	ASP
3	39-Z	59	GLY
3	39-Z	124	GLU
1	40-C	52	LYS
1	40-C	149	PRO
1	40-C	395	LEU
1	40-C	505	ILE
1	40-C	691	LEU
1	40-C	727	ALA
3	40-Z	25	ASP
3	40-Z	59	GLY
3	40-Z	124	GLU
1	41-C	52	LYS
1	41-C	149	PRO
1	41-C	395	LEU
1	41-C	505	ILE
1	41-C	691	LEU
1	41-C	727	ALA
3	41-Z	25	ASP
3	41-Z	59	GLY
3	41-Z	124	GLU

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Mol	Chain	Res	Type
1	42-C	52	LYS
1	42-C	149	PRO
1	42-C	395	LEU
1	42-C	505	ILE
1	42-C	691	LEU
1	42-C	727	ALA
3	42-Z	25	ASP
3	42-Z	59	GLY
3	42-Z	124	GLU
1	43-C	52	LYS
1	43-C	149	PRO
1	43-C	505	ILE
1	43-C	691	LEU
1	43-C	727	ALA
3	43-Z	25	ASP
3	43-Z	59	GLY
3	43-Z	124	GLU
1	1-C	311	PHE
1	1-C	356	LEU
1	1-C	377	THR
2	1-Y	42	ALA
1	2-C	311	PHE
1	2-C	356	LEU
1	2-C	377	THR
2	2-Y	42	ALA
1	3-C	311	PHE
1	3-C	356	LEU
1	3-C	377	THR
2	3-Y	42	ALA
1	4-C	311	PHE
1	4-C	356	LEU
1	4-C	377	THR
2	4-Y	42	ALA
1	5-C	311	PHE
1	5-C	356	LEU
1	5-C	377	THR
2	5-Y	42	ALA
1	6-C	311	PHE
1	6-C	356	LEU
1	6-C	377	THR
2	6-Y	42	ALA
1	7-C	311	PHE

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Mol	Chain	Res	Type
1	7-C	356	LEU
1	7-C	377	THR
2	7-Y	42	ALA
1	8-C	311	PHE
1	8-C	356	LEU
1	8-C	377	THR
2	8-Y	42	ALA
1	9-C	311	PHE
1	9-C	356	LEU
1	9-C	377	THR
2	9-Y	42	ALA
1	10-C	311	PHE
1	10-C	356	LEU
1	10-C	377	THR
2	10-Y	42	ALA
1	11-C	311	PHE
1	11-C	356	LEU
1	11-C	377	THR
2	11-Y	42	ALA
1	12-C	311	PHE
1	12-C	356	LEU
1	12-C	377	THR
2	12-Y	42	ALA
1	13-C	311	PHE
1	13-C	356	LEU
1	13-C	377	THR
1	13-C	395	LEU
2	13-Y	42	ALA
1	14-C	311	PHE
1	14-C	356	LEU
1	14-C	377	THR
2	14-Y	42	ALA
1	15-C	311	PHE
1	15-C	356	LEU
1	15-C	377	THR
2	15-Y	42	ALA
1	16-C	311	PHE
1	16-C	356	LEU
1	16-C	377	THR
2	16-Y	42	ALA
1	17-C	311	PHE
1	17-C	356	LEU

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Mol	Chain	Res	Type
1	17-C	377	THR
2	17-Y	42	ALA
1	18-C	311	PHE
1	18-C	356	LEU
1	18-C	377	THR
2	18-Y	42	ALA
1	19-C	311	PHE
1	19-C	356	LEU
1	19-C	377	THR
2	19-Y	42	ALA
1	20-C	311	PHE
1	20-C	356	LEU
1	20-C	377	THR
2	20-Y	42	ALA
1	21-C	311	PHE
1	21-C	356	LEU
1	21-C	377	THR
2	21-Y	42	ALA
1	22-C	311	PHE
1	22-C	356	LEU
1	22-C	377	THR
2	22-Y	42	ALA
1	23-C	311	PHE
1	23-C	356	LEU
1	23-C	377	THR
2	23-Y	42	ALA
1	24-C	311	PHE
1	24-C	356	LEU
1	24-C	377	THR
2	24-Y	42	ALA
1	25-C	311	PHE
1	25-C	356	LEU
1	25-C	377	THR
2	25-Y	42	ALA
1	26-C	311	PHE
1	26-C	356	LEU
1	26-C	377	THR
2	26-Y	42	ALA
1	27-C	311	PHE
1	27-C	356	LEU
1	27-C	377	THR
2	27-Y	42	ALA

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Mol	Chain	Res	Type
1	28-C	311	PHE
1	28-C	356	LEU
1	28-C	377	THR
1	28-C	395	LEU
2	28-Y	42	ALA
1	29-C	311	PHE
1	29-C	356	LEU
1	29-C	377	THR
1	29-C	395	LEU
2	29-Y	42	ALA
1	30-C	311	PHE
1	30-C	356	LEU
1	30-C	377	THR
2	30-Y	42	ALA
1	31-C	311	PHE
1	31-C	356	LEU
1	31-C	377	THR
2	31-Y	42	ALA
1	32-C	311	PHE
1	32-C	356	LEU
1	32-C	377	THR
2	32-Y	42	ALA
1	33-C	311	PHE
1	33-C	356	LEU
1	33-C	377	THR
2	33-Y	42	ALA
1	34-C	311	PHE
1	34-C	356	LEU
1	34-C	377	THR
2	34-Y	42	ALA
1	35-C	311	PHE
1	35-C	356	LEU
1	35-C	377	THR
1	35-C	395	LEU
2	35-Y	42	ALA
1	36-C	311	PHE
1	36-C	356	LEU
1	36-C	377	THR
1	36-C	395	LEU
2	36-Y	42	ALA
1	37-C	311	PHE
1	37-C	356	LEU

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Mol	Chain	Res	Type
1	37-C	377	THR
2	37-Y	42	ALA
1	38-C	311	PHE
1	38-C	356	LEU
1	38-C	377	THR
2	38-Y	42	ALA
1	39-C	311	PHE
1	39-C	356	LEU
1	39-C	377	THR
2	39-Y	42	ALA
1	40-C	311	PHE
1	40-C	356	LEU
1	40-C	377	THR
1	40-C	800	LYS
2	40-Y	42	ALA
1	41-C	311	PHE
1	41-C	356	LEU
1	41-C	377	THR
2	41-Y	42	ALA
1	42-C	311	PHE
1	42-C	356	LEU
1	42-C	377	THR
2	42-Y	42	ALA
1	43-C	311	PHE
1	43-C	356	LEU
1	43-C	377	THR
1	43-C	395	LEU
2	43-Y	42	ALA
1	1-C	108	THR
1	1-C	412	LYS
1	1-C	526	PRO
3	1-Z	118	SER
1	2-C	108	THR
1	2-C	412	LYS
1	2-C	526	PRO
3	2-Z	118	SER
1	3-C	108	THR
1	3-C	412	LYS
1	3-C	526	PRO
3	3-Z	118	SER
1	4-C	108	THR
1	4-C	412	LYS

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Mol	Chain	Res	Type
1	4-C	526	PRO
3	4-Z	118	SER
1	5-C	108	THR
1	5-C	412	LYS
1	5-C	526	PRO
3	5-Z	118	SER
1	6-C	108	THR
1	6-C	412	LYS
1	6-C	526	PRO
3	6-Z	118	SER
1	7-C	108	THR
1	7-C	412	LYS
1	7-C	526	PRO
3	7-Z	118	SER
1	8-C	108	THR
1	8-C	412	LYS
1	8-C	526	PRO
3	8-Z	118	SER
1	9-C	108	THR
1	9-C	412	LYS
1	9-C	526	PRO
3	9-Z	118	SER
1	10-C	108	THR
1	10-C	412	LYS
1	10-C	526	PRO
3	10-Z	118	SER
1	11-C	108	THR
1	11-C	412	LYS
1	11-C	526	PRO
3	11-Z	118	SER
1	12-C	108	THR
1	12-C	412	LYS
1	12-C	526	PRO
3	12-Z	118	SER
1	13-C	108	THR
1	13-C	412	LYS
1	13-C	526	PRO
3	13-Z	118	SER
1	14-C	108	THR
1	14-C	412	LYS
1	14-C	526	PRO
3	14-Z	118	SER

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Mol	Chain	Res	Type
1	15-C	108	THR
1	15-C	412	LYS
1	15-C	526	PRO
3	15-Z	118	SER
1	16-C	108	THR
1	16-C	412	LYS
1	16-C	526	PRO
3	16-Z	118	SER
1	17-C	108	THR
1	17-C	412	LYS
1	17-C	526	PRO
3	17-Z	118	SER
1	18-C	108	THR
1	18-C	412	LYS
1	18-C	526	PRO
3	18-Z	118	SER
1	19-C	108	THR
1	19-C	412	LYS
1	19-C	526	PRO
3	19-Z	118	SER
1	20-C	108	THR
1	20-C	412	LYS
1	20-C	526	PRO
3	20-Z	118	SER
1	21-C	108	THR
1	21-C	412	LYS
1	21-C	526	PRO
3	21-Z	118	SER
1	22-C	108	THR
1	22-C	412	LYS
1	22-C	526	PRO
3	22-Z	118	SER
1	23-C	108	THR
1	23-C	412	LYS
1	23-C	526	PRO
3	23-Z	118	SER
1	24-C	108	THR
1	24-C	412	LYS
1	24-C	526	PRO
3	24-Z	118	SER
1	25-C	108	THR
1	25-C	412	LYS

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Mol	Chain	Res	Type
1	25-C	526	PRO
3	25-Z	118	SER
1	26-C	108	THR
1	26-C	412	LYS
1	26-C	526	PRO
3	26-Z	118	SER
1	27-C	108	THR
1	27-C	412	LYS
1	27-C	526	PRO
3	27-Z	118	SER
1	28-C	108	THR
1	28-C	412	LYS
1	28-C	526	PRO
3	28-Z	118	SER
1	29-C	108	THR
1	29-C	412	LYS
1	29-C	526	PRO
3	29-Z	118	SER
1	30-C	108	THR
1	30-C	412	LYS
1	30-C	526	PRO
3	30-Z	118	SER
1	31-C	108	THR
1	31-C	412	LYS
1	31-C	526	PRO
3	31-Z	118	SER
1	32-C	108	THR
1	32-C	412	LYS
1	32-C	526	PRO
3	32-Z	118	SER
1	33-C	108	THR
1	33-C	412	LYS
1	33-C	526	PRO
3	33-Z	118	SER
1	34-C	108	THR
1	34-C	412	LYS
1	34-C	526	PRO
3	34-Z	118	SER
1	35-C	108	THR
1	35-C	412	LYS
1	35-C	526	PRO
3	35-Z	118	SER

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Mol	Chain	Res	Type
1	36-C	108	THR
1	36-C	412	LYS
1	36-C	526	PRO
3	36-Z	118	SER
1	37-C	108	THR
1	37-C	412	LYS
1	37-C	526	PRO
3	37-Z	118	SER
1	38-C	108	THR
1	38-C	412	LYS
1	38-C	526	PRO
3	38-Z	118	SER
1	39-C	108	THR
1	39-C	412	LYS
1	39-C	526	PRO
3	39-Z	118	SER
1	40-C	108	THR
1	40-C	412	LYS
1	40-C	526	PRO
3	40-Z	118	SER
1	41-C	108	THR
1	41-C	412	LYS
1	41-C	526	PRO
1	41-C	705	LYS
3	41-Z	118	SER
1	42-C	108	THR
1	42-C	412	LYS
1	42-C	526	PRO
3	42-Z	118	SER
1	43-C	108	THR
1	43-C	412	LYS
1	43-C	526	PRO
3	43-Z	118	SER
3	4-Z	128	LEU
1	13-C	705	LYS
3	18-Z	128	LEU
3	21-Z	128	LEU
1	25-C	705	LYS
3	25-Z	128	LEU
3	28-Z	128	LEU
1	1-C	304	PRO
3	1-Z	101	ILE

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Mol	Chain	Res	Type
1	2-C	304	PRO
3	2-Z	101	ILE
1	3-C	304	PRO
3	3-Z	101	ILE
1	4-C	304	PRO
3	4-Z	101	ILE
1	5-C	304	PRO
3	5-Z	101	ILE
1	6-C	304	PRO
3	6-Z	101	ILE
1	7-C	304	PRO
3	7-Z	101	ILE
1	8-C	304	PRO
3	8-Z	101	ILE
1	9-C	304	PRO
3	9-Z	101	ILE
1	10-C	304	PRO
3	10-Z	101	ILE
1	11-C	304	PRO
3	11-Z	101	ILE
1	12-C	304	PRO
3	12-Z	101	ILE
1	13-C	304	PRO
3	13-Z	101	ILE
1	14-C	304	PRO
3	14-Z	101	ILE
1	15-C	304	PRO
3	15-Z	101	ILE
1	16-C	304	PRO
3	16-Z	101	ILE
1	17-C	304	PRO
3	17-Z	101	ILE
1	18-C	304	PRO
3	18-Z	101	ILE
1	19-C	304	PRO
3	19-Z	101	ILE
1	20-C	304	PRO
3	20-Z	101	ILE
1	21-C	304	PRO
3	21-Z	101	ILE
1	22-C	304	PRO
3	22-Z	101	ILE

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Mol	Chain	Res	Type
1	23-C	304	PRO
3	23-Z	101	ILE
1	24-C	304	PRO
3	24-Z	101	ILE
1	25-C	304	PRO
3	25-Z	101	ILE
1	26-C	304	PRO
3	26-Z	101	ILE
1	27-C	304	PRO
3	27-Z	101	ILE
1	28-C	304	PRO
3	28-Z	101	ILE
1	29-C	304	PRO
3	29-Z	101	ILE
1	30-C	304	PRO
3	30-Z	101	ILE
1	31-C	304	PRO
3	31-Z	101	ILE
1	32-C	304	PRO
3	32-Z	101	ILE
1	33-C	304	PRO
3	33-Z	101	ILE
1	34-C	304	PRO
3	34-Z	101	ILE
1	35-C	304	PRO
3	35-Z	101	ILE
1	36-C	304	PRO
3	36-Z	101	ILE
1	37-C	304	PRO
3	37-Z	101	ILE
1	38-C	304	PRO
3	38-Z	101	ILE
1	39-C	304	PRO
3	39-Z	101	ILE
1	40-C	304	PRO
3	40-Z	101	ILE
1	41-C	304	PRO
3	41-Z	101	ILE
1	42-C	304	PRO
3	42-Z	101	ILE
1	43-C	304	PRO
3	43-Z	101	ILE

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Mol	Chain	Res	Type
1	1-C	810	VAL
1	2-C	810	VAL
1	3-C	810	VAL
2	3-Y	64	PRO
1	4-C	810	VAL
1	5-C	810	VAL
1	6-C	810	VAL
2	6-Y	64	PRO
1	7-C	810	VAL
1	8-C	810	VAL
1	9-C	810	VAL
2	9-Y	64	PRO
1	10-C	810	VAL
1	11-C	810	VAL
1	12-C	810	VAL
1	13-C	810	VAL
1	14-C	810	VAL
1	15-C	810	VAL
1	16-C	810	VAL
1	17-C	810	VAL
1	18-C	810	VAL
1	19-C	810	VAL
1	20-C	810	VAL
1	21-C	810	VAL
2	21-Y	64	PRO
1	22-C	810	VAL
2	22-Y	64	PRO
1	23-C	810	VAL
2	23-Y	64	PRO
1	24-C	810	VAL
2	24-Y	64	PRO
1	25-C	810	VAL
2	25-Y	64	PRO
1	26-C	810	VAL
2	26-Y	64	PRO
1	27-C	810	VAL
2	27-Y	64	PRO
1	28-C	810	VAL
2	28-Y	64	PRO
1	29-C	810	VAL
2	29-Y	64	PRO
1	30-C	810	VAL

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Mol	Chain	Res	Type
1	31-C	810	VAL
2	31-Y	64	PRO
1	32-C	810	VAL
2	32-Y	64	PRO
1	33-C	810	VAL
1	34-C	810	VAL
2	34-Y	64	PRO
1	35-C	810	VAL
2	35-Y	64	PRO
1	36-C	810	VAL
2	36-Y	64	PRO
1	37-C	810	VAL
2	37-Y	64	PRO
1	38-C	810	VAL
2	38-Y	64	PRO
1	39-C	810	VAL
2	39-Y	64	PRO
1	40-C	810	VAL
2	40-Y	64	PRO
1	41-C	810	VAL
1	42-C	810	VAL
1	43-C	810	VAL
2	43-Y	64	PRO
1	1-C	181	GLY
2	1-Y	64	PRO
1	2-C	181	GLY
2	2-Y	64	PRO
1	3-C	181	GLY
1	4-C	181	GLY
2	4-Y	64	PRO
1	5-C	181	GLY
2	5-Y	64	PRO
1	6-C	181	GLY
1	7-C	181	GLY
2	7-Y	64	PRO
1	8-C	181	GLY
2	8-Y	64	PRO
1	9-C	181	GLY
1	10-C	181	GLY
2	10-Y	64	PRO
1	11-C	181	GLY
2	11-Y	64	PRO

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Mol	Chain	Res	Type
1	12-C	181	GLY
2	12-Y	64	PRO
1	13-C	181	GLY
2	13-Y	64	PRO
1	14-C	181	GLY
2	14-Y	64	PRO
1	15-C	181	GLY
2	15-Y	64	PRO
1	16-C	181	GLY
2	16-Y	64	PRO
1	17-C	181	GLY
2	17-Y	64	PRO
1	18-C	181	GLY
2	18-Y	64	PRO
1	19-C	181	GLY
2	19-Y	64	PRO
1	20-C	181	GLY
2	20-Y	64	PRO
1	21-C	181	GLY
1	22-C	181	GLY
1	23-C	181	GLY
1	24-C	181	GLY
1	25-C	181	GLY
1	26-C	181	GLY
1	27-C	181	GLY
1	28-C	181	GLY
1	29-C	181	GLY
1	30-C	181	GLY
2	30-Y	64	PRO
1	31-C	181	GLY
1	32-C	181	GLY
1	33-C	181	GLY
2	33-Y	64	PRO
1	34-C	181	GLY
1	35-C	181	GLY
1	36-C	181	GLY
1	37-C	181	GLY
1	38-C	181	GLY
1	39-C	181	GLY
1	41-C	181	GLY
2	41-Y	64	PRO
1	42-C	181	GLY

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Mol	Chain	Res	Type
2	42-Y	64	PRO
1	43-C	181	GLY
1	3-C	724	ALA
1	23-C	724	ALA
1	24-C	724	ALA
1	25-C	724	ALA
1	31-C	724	ALA
1	33-C	724	ALA
1	34-C	724	ALA
1	37-C	724	ALA
1	38-C	724	ALA
1	40-C	181	GLY
1	41-C	724	ALA
1	42-C	724	ALA
1	43-C	724	ALA
1	1-C	724	ALA
1	2-C	724	ALA
1	4-C	724	ALA
1	5-C	724	ALA
1	6-C	724	ALA
1	7-C	724	ALA
1	8-C	724	ALA
1	9-C	724	ALA
1	10-C	724	ALA
1	11-C	724	ALA
1	12-C	724	ALA
1	13-C	724	ALA
1	14-C	724	ALA
1	15-C	724	ALA
1	16-C	724	ALA
1	17-C	724	ALA
1	18-C	724	ALA
1	19-C	724	ALA
1	20-C	724	ALA
1	21-C	724	ALA
1	22-C	724	ALA
1	26-C	724	ALA
1	27-C	724	ALA
1	28-C	724	ALA
1	29-C	724	ALA
1	30-C	724	ALA
1	32-C	724	ALA

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Mol	Chain	Res	Type
1	35-C	724	ALA
1	36-C	724	ALA
1	39-C	724	ALA
1	40-C	724	ALA

5.3.2 Protein sidechains (i)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all EM entries.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	1-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	2-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	3-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	4-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	5-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	6-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	7-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	8-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	9-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	10-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	11-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	12-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	13-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	14-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	15-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	16-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	17-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	18-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	19-C	678/724 (94%)	579 (85%)	99 (15%)	3 13
1	20-C	678/724 (94%)	579 (85%)	99 (15%)	3 13

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	21-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	22-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	23-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	24-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	25-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	26-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	27-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	28-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	29-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	30-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	31-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	32-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	33-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	34-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	35-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	36-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	37-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	38-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	39-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	40-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	41-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	42-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
1	43-C	678/724 (94%)	579 (85%)	99 (15%)	3	13
2	1-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	2-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	3-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	4-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	5-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	6-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	7-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	8-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	9-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	10-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	11-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	12-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	13-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	14-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	15-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	16-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	17-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	18-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	19-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	20-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	21-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	22-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	23-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	24-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	25-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	26-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	27-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	28-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	29-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	30-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	31-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	32-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	33-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	34-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	35-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	36-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	37-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	38-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	39-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	40-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	41-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	42-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
2	43-Y	119/119 (100%)	106 (89%)	13 (11%)	6	21
3	1-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	2-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	3-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	4-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	5-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	6-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	7-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	8-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	9-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	10-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	11-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	12-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	13-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	14-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	15-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	16-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	17-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	18-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	19-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	20-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	21-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	22-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	23-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	24-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	25-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	26-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	27-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
3	28-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	29-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	30-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	31-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	32-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	33-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	34-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	35-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	36-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	37-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	38-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	39-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	40-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	41-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	42-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
3	43-Z	127/127 (100%)	114 (90%)	13 (10%)	7	23
All	All	39732/41710 (95%)	34357 (86%)	5375 (14%)	6	14

All (5375) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	1-C	10	PHE
1	1-C	12	TYR
1	1-C	24	GLN
1	1-C	41	GLU
1	1-C	47	GLU
1	1-C	48	ILE
1	1-C	55	GLU
1	1-C	56	ILE
1	1-C	60	ILE
1	1-C	74	ILE
1	1-C	83	GLU
1	1-C	85	LEU
1	1-C	112	ILE
1	1-C	121	ILE
1	1-C	124	ASN

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Mol	Chain	Res	Type
1	1-C	129	LEU
1	1-C	131	ILE
1	1-C	137	ILE
1	1-C	140	TYR
1	1-C	148	ILE
1	1-C	168	GLU
1	1-C	174	ILE
1	1-C	190	ILE
1	1-C	192	TYR
1	1-C	193	LEU
1	1-C	219	ILE
1	1-C	220	ILE
1	1-C	247	ILE
1	1-C	249	ILE
1	1-C	257	ILE
1	1-C	262	ILE
1	1-C	268	GLU
1	1-C	279	GLU
1	1-C	281	ASN
1	1-C	284	ILE
1	1-C	288	ILE
1	1-C	293	ILE
1	1-C	297	ASN
1	1-C	311	PHE
1	1-C	312	ILE
1	1-C	313	ASN
1	1-C	327	GLU
1	1-C	337	ILE
1	1-C	355	ILE
1	1-C	370	GLU
1	1-C	371	GLN
1	1-C	381	GLU
1	1-C	389	ILE
1	1-C	395	LEU
1	1-C	417	ASN
1	1-C	438	LEU
1	1-C	456	ILE
1	1-C	461	ILE
1	1-C	465	GLU
1	1-C	466	ILE
1	1-C	477	ILE
1	1-C	484	LEU

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Mol	Chain	Res	Type
1	1-C	494	ILE
1	1-C	505	ILE
1	1-C	508	GLU
1	1-C	510	ILE
1	1-C	520	ILE
1	1-C	523	ILE
1	1-C	524	GLU
1	1-C	529	ILE
1	1-C	573	GLN
1	1-C	579	GLU
1	1-C	591	ILE
1	1-C	595	LEU
1	1-C	602	ILE
1	1-C	603	ASN
1	1-C	615	GLU
1	1-C	643	GLN
1	1-C	645	ILE
1	1-C	654	ASN
1	1-C	666	HIS
1	1-C	671	ILE
1	1-C	672	ILE
1	1-C	675	GLU
1	1-C	688	LEU
1	1-C	694	ASN
1	1-C	697	LEU
1	1-C	702	ILE
1	1-C	712	ILE
1	1-C	722	ILE
1	1-C	726	ASN
1	1-C	728	ILE
1	1-C	742	ILE
1	1-C	771	GLU
1	1-C	772	GLU
1	1-C	781	ILE
1	1-C	789	ILE
1	1-C	792	TYR
1	1-C	793	LEU
1	1-C	794	ILE
1	1-C	806	ILE
1	1-C	811	ILE
1	1-C	814	ASN
1	1-C	815	ILE

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Mol	Chain	Res	Type
2	1-Y	17	ILE
2	1-Y	27	ILE
2	1-Y	40	ILE
2	1-Y	43	ILE
2	1-Y	56	LEU
2	1-Y	75	ILE
2	1-Y	89	ILE
2	1-Y	100	GLU
2	1-Y	106	ILE
2	1-Y	109	ILE
2	1-Y	115	ASN
2	1-Y	119	ASN
2	1-Y	148	ILE
3	1-Z	8	ILE
3	1-Z	17	LEU
3	1-Z	42	ILE
3	1-Z	46	ASN
3	1-Z	75	LEU
3	1-Z	98	GLN
3	1-Z	100	PHE
3	1-Z	115	GLU
3	1-Z	117	LEU
3	1-Z	122	VAL
3	1-Z	125	ILE
3	1-Z	132	GLN
3	1-Z	138	ASN
1	2-C	10	PHE
1	2-C	12	TYR
1	2-C	24	GLN
1	2-C	41	GLU
1	2-C	47	GLU
1	2-C	48	ILE
1	2-C	55	GLU
1	2-C	56	ILE
1	2-C	60	ILE
1	2-C	74	ILE
1	2-C	83	GLU
1	2-C	85	LEU
1	2-C	112	ILE
1	2-C	121	ILE
1	2-C	124	ASN
1	2-C	129	LEU

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Mol	Chain	Res	Type
1	2-C	131	ILE
1	2-C	137	ILE
1	2-C	140	TYR
1	2-C	148	ILE
1	2-C	168	GLU
1	2-C	174	ILE
1	2-C	190	ILE
1	2-C	192	TYR
1	2-C	193	LEU
1	2-C	219	ILE
1	2-C	220	ILE
1	2-C	247	ILE
1	2-C	249	ILE
1	2-C	257	ILE
1	2-C	262	ILE
1	2-C	268	GLU
1	2-C	279	GLU
1	2-C	281	ASN
1	2-C	284	ILE
1	2-C	288	ILE
1	2-C	293	ILE
1	2-C	297	ASN
1	2-C	311	PHE
1	2-C	312	ILE
1	2-C	313	ASN
1	2-C	327	GLU
1	2-C	337	ILE
1	2-C	355	ILE
1	2-C	370	GLU
1	2-C	371	GLN
1	2-C	381	GLU
1	2-C	389	ILE
1	2-C	395	LEU
1	2-C	417	ASN
1	2-C	438	LEU
1	2-C	456	ILE
1	2-C	461	ILE
1	2-C	465	GLU
1	2-C	466	ILE
1	2-C	477	ILE
1	2-C	484	LEU
1	2-C	494	ILE

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Mol	Chain	Res	Type
1	2-C	505	ILE
1	2-C	508	GLU
1	2-C	510	ILE
1	2-C	520	ILE
1	2-C	523	ILE
1	2-C	524	GLU
1	2-C	529	ILE
1	2-C	573	GLN
1	2-C	579	GLU
1	2-C	591	ILE
1	2-C	595	LEU
1	2-C	602	ILE
1	2-C	603	ASN
1	2-C	615	GLU
1	2-C	643	GLN
1	2-C	645	ILE
1	2-C	654	ASN
1	2-C	666	HIS
1	2-C	671	ILE
1	2-C	672	ILE
1	2-C	675	GLU
1	2-C	688	LEU
1	2-C	694	ASN
1	2-C	697	LEU
1	2-C	702	ILE
1	2-C	712	ILE
1	2-C	722	ILE
1	2-C	726	ASN
1	2-C	728	ILE
1	2-C	742	ILE
1	2-C	771	GLU
1	2-C	772	GLU
1	2-C	781	ILE
1	2-C	789	ILE
1	2-C	792	TYR
1	2-C	793	LEU
1	2-C	794	ILE
1	2-C	806	ILE
1	2-C	811	ILE
1	2-C	814	ASN
1	2-C	815	ILE
2	2-Y	17	ILE

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Mol	Chain	Res	Type
2	2-Y	27	ILE
2	2-Y	40	ILE
2	2-Y	43	ILE
2	2-Y	56	LEU
2	2-Y	75	ILE
2	2-Y	89	ILE
2	2-Y	100	GLU
2	2-Y	106	ILE
2	2-Y	109	ILE
2	2-Y	115	ASN
2	2-Y	119	ASN
2	2-Y	148	ILE
3	2-Z	8	ILE
3	2-Z	17	LEU
3	2-Z	42	ILE
3	2-Z	46	ASN
3	2-Z	75	LEU
3	2-Z	98	GLN
3	2-Z	100	PHE
3	2-Z	115	GLU
3	2-Z	117	LEU
3	2-Z	122	VAL
3	2-Z	125	ILE
3	2-Z	132	GLN
3	2-Z	138	ASN
1	3-C	10	PHE
1	3-C	12	TYR
1	3-C	24	GLN
1	3-C	41	GLU
1	3-C	47	GLU
1	3-C	48	ILE
1	3-C	55	GLU
1	3-C	56	ILE
1	3-C	60	ILE
1	3-C	74	ILE
1	3-C	83	GLU
1	3-C	85	LEU
1	3-C	112	ILE
1	3-C	121	ILE
1	3-C	124	ASN
1	3-C	129	LEU
1	3-C	131	ILE

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Mol	Chain	Res	Type
1	3-C	137	ILE
1	3-C	140	TYR
1	3-C	148	ILE
1	3-C	168	GLU
1	3-C	174	ILE
1	3-C	190	ILE
1	3-C	192	TYR
1	3-C	193	LEU
1	3-C	219	ILE
1	3-C	220	ILE
1	3-C	247	ILE
1	3-C	249	ILE
1	3-C	257	ILE
1	3-C	262	ILE
1	3-C	268	GLU
1	3-C	279	GLU
1	3-C	281	ASN
1	3-C	284	ILE
1	3-C	288	ILE
1	3-C	293	ILE
1	3-C	297	ASN
1	3-C	311	PHE
1	3-C	312	ILE
1	3-C	313	ASN
1	3-C	327	GLU
1	3-C	337	ILE
1	3-C	355	ILE
1	3-C	370	GLU
1	3-C	371	GLN
1	3-C	381	GLU
1	3-C	389	ILE
1	3-C	395	LEU
1	3-C	417	ASN
1	3-C	438	LEU
1	3-C	456	ILE
1	3-C	461	ILE
1	3-C	465	GLU
1	3-C	466	ILE
1	3-C	477	ILE
1	3-C	484	LEU
1	3-C	494	ILE
1	3-C	505	ILE

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Mol	Chain	Res	Type
1	3-C	508	GLU
1	3-C	510	ILE
1	3-C	520	ILE
1	3-C	523	ILE
1	3-C	524	GLU
1	3-C	529	ILE
1	3-C	573	GLN
1	3-C	579	GLU
1	3-C	591	ILE
1	3-C	595	LEU
1	3-C	602	ILE
1	3-C	603	ASN
1	3-C	615	GLU
1	3-C	643	GLN
1	3-C	645	ILE
1	3-C	654	ASN
1	3-C	666	HIS
1	3-C	671	ILE
1	3-C	672	ILE
1	3-C	675	GLU
1	3-C	688	LEU
1	3-C	694	ASN
1	3-C	697	LEU
1	3-C	702	ILE
1	3-C	712	ILE
1	3-C	722	ILE
1	3-C	726	ASN
1	3-C	728	ILE
1	3-C	742	ILE
1	3-C	771	GLU
1	3-C	772	GLU
1	3-C	781	ILE
1	3-C	789	ILE
1	3-C	792	TYR
1	3-C	793	LEU
1	3-C	794	ILE
1	3-C	806	ILE
1	3-C	811	ILE
1	3-C	814	ASN
1	3-C	815	ILE
2	3-Y	17	ILE
2	3-Y	27	ILE

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Mol	Chain	Res	Type
2	3-Y	40	ILE
2	3-Y	43	ILE
2	3-Y	56	LEU
2	3-Y	75	ILE
2	3-Y	89	ILE
2	3-Y	100	GLU
2	3-Y	106	ILE
2	3-Y	109	ILE
2	3-Y	115	ASN
2	3-Y	119	ASN
2	3-Y	148	ILE
3	3-Z	8	ILE
3	3-Z	17	LEU
3	3-Z	42	ILE
3	3-Z	46	ASN
3	3-Z	75	LEU
3	3-Z	98	GLN
3	3-Z	100	PHE
3	3-Z	115	GLU
3	3-Z	117	LEU
3	3-Z	122	VAL
3	3-Z	125	ILE
3	3-Z	132	GLN
3	3-Z	138	ASN
1	4-C	10	PHE
1	4-C	12	TYR
1	4-C	24	GLN
1	4-C	41	GLU
1	4-C	47	GLU
1	4-C	48	ILE
1	4-C	55	GLU
1	4-C	56	ILE
1	4-C	60	ILE
1	4-C	74	ILE
1	4-C	83	GLU
1	4-C	85	LEU
1	4-C	112	ILE
1	4-C	121	ILE
1	4-C	124	ASN
1	4-C	129	LEU
1	4-C	131	ILE
1	4-C	137	ILE

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Mol	Chain	Res	Type
1	4-C	140	TYR
1	4-C	148	ILE
1	4-C	168	GLU
1	4-C	174	ILE
1	4-C	190	ILE
1	4-C	192	TYR
1	4-C	193	LEU
1	4-C	219	ILE
1	4-C	220	ILE
1	4-C	247	ILE
1	4-C	249	ILE
1	4-C	257	ILE
1	4-C	262	ILE
1	4-C	268	GLU
1	4-C	279	GLU
1	4-C	281	ASN
1	4-C	284	ILE
1	4-C	288	ILE
1	4-C	293	ILE
1	4-C	297	ASN
1	4-C	311	PHE
1	4-C	312	ILE
1	4-C	313	ASN
1	4-C	327	GLU
1	4-C	337	ILE
1	4-C	355	ILE
1	4-C	370	GLU
1	4-C	371	GLN
1	4-C	381	GLU
1	4-C	389	ILE
1	4-C	395	LEU
1	4-C	417	ASN
1	4-C	438	LEU
1	4-C	456	ILE
1	4-C	461	ILE
1	4-C	465	GLU
1	4-C	466	ILE
1	4-C	477	ILE
1	4-C	484	LEU
1	4-C	494	ILE
1	4-C	505	ILE
1	4-C	508	GLU

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Mol	Chain	Res	Type
1	4-C	510	ILE
1	4-C	520	ILE
1	4-C	523	ILE
1	4-C	524	GLU
1	4-C	529	ILE
1	4-C	573	GLN
1	4-C	579	GLU
1	4-C	591	ILE
1	4-C	595	LEU
1	4-C	602	ILE
1	4-C	603	ASN
1	4-C	615	GLU
1	4-C	643	GLN
1	4-C	645	ILE
1	4-C	654	ASN
1	4-C	666	HIS
1	4-C	671	ILE
1	4-C	672	ILE
1	4-C	675	GLU
1	4-C	688	LEU
1	4-C	694	ASN
1	4-C	697	LEU
1	4-C	702	ILE
1	4-C	712	ILE
1	4-C	722	ILE
1	4-C	726	ASN
1	4-C	728	ILE
1	4-C	742	ILE
1	4-C	771	GLU
1	4-C	772	GLU
1	4-C	781	ILE
1	4-C	789	ILE
1	4-C	792	TYR
1	4-C	793	LEU
1	4-C	794	ILE
1	4-C	806	ILE
1	4-C	811	ILE
1	4-C	814	ASN
1	4-C	815	ILE
2	4-Y	17	ILE
2	4-Y	27	ILE
2	4-Y	40	ILE

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Mol	Chain	Res	Type
2	4-Y	43	ILE
2	4-Y	56	LEU
2	4-Y	75	ILE
2	4-Y	89	ILE
2	4-Y	100	GLU
2	4-Y	106	ILE
2	4-Y	109	ILE
2	4-Y	115	ASN
2	4-Y	119	ASN
2	4-Y	148	ILE
3	4-Z	8	ILE
3	4-Z	17	LEU
3	4-Z	42	ILE
3	4-Z	46	ASN
3	4-Z	75	LEU
3	4-Z	98	GLN
3	4-Z	100	PHE
3	4-Z	115	GLU
3	4-Z	117	LEU
3	4-Z	122	VAL
3	4-Z	125	ILE
3	4-Z	132	GLN
3	4-Z	138	ASN
1	5-C	10	PHE
1	5-C	12	TYR
1	5-C	24	GLN
1	5-C	41	GLU
1	5-C	47	GLU
1	5-C	48	ILE
1	5-C	55	GLU
1	5-C	56	ILE
1	5-C	60	ILE
1	5-C	74	ILE
1	5-C	83	GLU
1	5-C	85	LEU
1	5-C	112	ILE
1	5-C	121	ILE
1	5-C	124	ASN
1	5-C	129	LEU
1	5-C	131	ILE
1	5-C	137	ILE
1	5-C	140	TYR

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Mol	Chain	Res	Type
1	5-C	148	ILE
1	5-C	168	GLU
1	5-C	174	ILE
1	5-C	190	ILE
1	5-C	192	TYR
1	5-C	193	LEU
1	5-C	219	ILE
1	5-C	220	ILE
1	5-C	247	ILE
1	5-C	249	ILE
1	5-C	257	ILE
1	5-C	262	ILE
1	5-C	268	GLU
1	5-C	279	GLU
1	5-C	281	ASN
1	5-C	284	ILE
1	5-C	288	ILE
1	5-C	293	ILE
1	5-C	297	ASN
1	5-C	311	PHE
1	5-C	312	ILE
1	5-C	313	ASN
1	5-C	327	GLU
1	5-C	337	ILE
1	5-C	355	ILE
1	5-C	370	GLU
1	5-C	371	GLN
1	5-C	381	GLU
1	5-C	389	ILE
1	5-C	395	LEU
1	5-C	417	ASN
1	5-C	438	LEU
1	5-C	456	ILE
1	5-C	461	ILE
1	5-C	465	GLU
1	5-C	466	ILE
1	5-C	477	ILE
1	5-C	484	LEU
1	5-C	494	ILE
1	5-C	505	ILE
1	5-C	508	GLU
1	5-C	510	ILE

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Mol	Chain	Res	Type
1	5-C	520	ILE
1	5-C	523	ILE
1	5-C	524	GLU
1	5-C	529	ILE
1	5-C	573	GLN
1	5-C	579	GLU
1	5-C	591	ILE
1	5-C	595	LEU
1	5-C	602	ILE
1	5-C	603	ASN
1	5-C	615	GLU
1	5-C	643	GLN
1	5-C	645	ILE
1	5-C	654	ASN
1	5-C	666	HIS
1	5-C	671	ILE
1	5-C	672	ILE
1	5-C	675	GLU
1	5-C	688	LEU
1	5-C	694	ASN
1	5-C	697	LEU
1	5-C	702	ILE
1	5-C	712	ILE
1	5-C	722	ILE
1	5-C	726	ASN
1	5-C	728	ILE
1	5-C	742	ILE
1	5-C	771	GLU
1	5-C	772	GLU
1	5-C	781	ILE
1	5-C	789	ILE
1	5-C	792	TYR
1	5-C	793	LEU
1	5-C	794	ILE
1	5-C	806	ILE
1	5-C	811	ILE
1	5-C	814	ASN
1	5-C	815	ILE
2	5-Y	17	ILE
2	5-Y	27	ILE
2	5-Y	40	ILE
2	5-Y	43	ILE

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Mol	Chain	Res	Type
2	5-Y	56	LEU
2	5-Y	75	ILE
2	5-Y	89	ILE
2	5-Y	100	GLU
2	5-Y	106	ILE
2	5-Y	109	ILE
2	5-Y	115	ASN
2	5-Y	119	ASN
2	5-Y	148	ILE
3	5-Z	8	ILE
3	5-Z	17	LEU
3	5-Z	42	ILE
3	5-Z	46	ASN
3	5-Z	75	LEU
3	5-Z	98	GLN
3	5-Z	100	PHE
3	5-Z	115	GLU
3	5-Z	117	LEU
3	5-Z	122	VAL
3	5-Z	125	ILE
3	5-Z	132	GLN
3	5-Z	138	ASN
1	6-C	10	PHE
1	6-C	12	TYR
1	6-C	24	GLN
1	6-C	41	GLU
1	6-C	47	GLU
1	6-C	48	ILE
1	6-C	55	GLU
1	6-C	56	ILE
1	6-C	60	ILE
1	6-C	74	ILE
1	6-C	83	GLU
1	6-C	85	LEU
1	6-C	112	ILE
1	6-C	121	ILE
1	6-C	124	ASN
1	6-C	129	LEU
1	6-C	131	ILE
1	6-C	137	ILE
1	6-C	140	TYR
1	6-C	148	ILE

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Mol	Chain	Res	Type
1	6-C	168	GLU
1	6-C	174	ILE
1	6-C	190	ILE
1	6-C	192	TYR
1	6-C	193	LEU
1	6-C	219	ILE
1	6-C	220	ILE
1	6-C	247	ILE
1	6-C	249	ILE
1	6-C	257	ILE
1	6-C	262	ILE
1	6-C	268	GLU
1	6-C	279	GLU
1	6-C	281	ASN
1	6-C	284	ILE
1	6-C	288	ILE
1	6-C	293	ILE
1	6-C	297	ASN
1	6-C	311	PHE
1	6-C	312	ILE
1	6-C	313	ASN
1	6-C	327	GLU
1	6-C	337	ILE
1	6-C	355	ILE
1	6-C	370	GLU
1	6-C	371	GLN
1	6-C	381	GLU
1	6-C	389	ILE
1	6-C	395	LEU
1	6-C	417	ASN
1	6-C	438	LEU
1	6-C	456	ILE
1	6-C	461	ILE
1	6-C	465	GLU
1	6-C	466	ILE
1	6-C	477	ILE
1	6-C	484	LEU
1	6-C	494	ILE
1	6-C	505	ILE
1	6-C	508	GLU
1	6-C	510	ILE
1	6-C	520	ILE

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Mol	Chain	Res	Type
1	6-C	523	ILE
1	6-C	524	GLU
1	6-C	529	ILE
1	6-C	573	GLN
1	6-C	579	GLU
1	6-C	591	ILE
1	6-C	595	LEU
1	6-C	602	ILE
1	6-C	603	ASN
1	6-C	615	GLU
1	6-C	643	GLN
1	6-C	645	ILE
1	6-C	654	ASN
1	6-C	666	HIS
1	6-C	671	ILE
1	6-C	672	ILE
1	6-C	675	GLU
1	6-C	688	LEU
1	6-C	694	ASN
1	6-C	697	LEU
1	6-C	702	ILE
1	6-C	712	ILE
1	6-C	722	ILE
1	6-C	726	ASN
1	6-C	728	ILE
1	6-C	742	ILE
1	6-C	771	GLU
1	6-C	772	GLU
1	6-C	781	ILE
1	6-C	789	ILE
1	6-C	792	TYR
1	6-C	793	LEU
1	6-C	794	ILE
1	6-C	806	ILE
1	6-C	811	ILE
1	6-C	814	ASN
1	6-C	815	ILE
2	6-Y	17	ILE
2	6-Y	27	ILE
2	6-Y	40	ILE
2	6-Y	43	ILE
2	6-Y	56	LEU

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Mol	Chain	Res	Type
2	6-Y	75	ILE
2	6-Y	89	ILE
2	6-Y	100	GLU
2	6-Y	106	ILE
2	6-Y	109	ILE
2	6-Y	115	ASN
2	6-Y	119	ASN
2	6-Y	148	ILE
3	6-Z	8	ILE
3	6-Z	17	LEU
3	6-Z	42	ILE
3	6-Z	46	ASN
3	6-Z	75	LEU
3	6-Z	98	GLN
3	6-Z	100	PHE
3	6-Z	115	GLU
3	6-Z	117	LEU
3	6-Z	122	VAL
3	6-Z	125	ILE
3	6-Z	132	GLN
3	6-Z	138	ASN
1	7-C	10	PHE
1	7-C	12	TYR
1	7-C	24	GLN
1	7-C	41	GLU
1	7-C	47	GLU
1	7-C	48	ILE
1	7-C	55	GLU
1	7-C	56	ILE
1	7-C	60	ILE
1	7-C	74	ILE
1	7-C	83	GLU
1	7-C	85	LEU
1	7-C	112	ILE
1	7-C	121	ILE
1	7-C	124	ASN
1	7-C	129	LEU
1	7-C	131	ILE
1	7-C	137	ILE
1	7-C	140	TYR
1	7-C	148	ILE
1	7-C	168	GLU

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Mol	Chain	Res	Type
1	7-C	174	ILE
1	7-C	190	ILE
1	7-C	192	TYR
1	7-C	193	LEU
1	7-C	219	ILE
1	7-C	220	ILE
1	7-C	247	ILE
1	7-C	249	ILE
1	7-C	257	ILE
1	7-C	262	ILE
1	7-C	268	GLU
1	7-C	279	GLU
1	7-C	281	ASN
1	7-C	284	ILE
1	7-C	288	ILE
1	7-C	293	ILE
1	7-C	297	ASN
1	7-C	311	PHE
1	7-C	312	ILE
1	7-C	313	ASN
1	7-C	327	GLU
1	7-C	337	ILE
1	7-C	355	ILE
1	7-C	370	GLU
1	7-C	371	GLN
1	7-C	381	GLU
1	7-C	389	ILE
1	7-C	395	LEU
1	7-C	417	ASN
1	7-C	438	LEU
1	7-C	456	ILE
1	7-C	461	ILE
1	7-C	465	GLU
1	7-C	466	ILE
1	7-C	477	ILE
1	7-C	484	LEU
1	7-C	494	ILE
1	7-C	505	ILE
1	7-C	508	GLU
1	7-C	510	ILE
1	7-C	520	ILE
1	7-C	523	ILE

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Mol	Chain	Res	Type
1	7-C	524	GLU
1	7-C	529	ILE
1	7-C	573	GLN
1	7-C	579	GLU
1	7-C	591	ILE
1	7-C	595	LEU
1	7-C	602	ILE
1	7-C	603	ASN
1	7-C	615	GLU
1	7-C	643	GLN
1	7-C	645	ILE
1	7-C	654	ASN
1	7-C	666	HIS
1	7-C	671	ILE
1	7-C	672	ILE
1	7-C	675	GLU
1	7-C	688	LEU
1	7-C	694	ASN
1	7-C	697	LEU
1	7-C	702	ILE
1	7-C	712	ILE
1	7-C	722	ILE
1	7-C	726	ASN
1	7-C	728	ILE
1	7-C	742	ILE
1	7-C	771	GLU
1	7-C	772	GLU
1	7-C	781	ILE
1	7-C	789	ILE
1	7-C	792	TYR
1	7-C	793	LEU
1	7-C	794	ILE
1	7-C	806	ILE
1	7-C	811	ILE
1	7-C	814	ASN
1	7-C	815	ILE
2	7-Y	17	ILE
2	7-Y	27	ILE
2	7-Y	40	ILE
2	7-Y	43	ILE
2	7-Y	56	LEU
2	7-Y	75	ILE

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Mol	Chain	Res	Type
2	7-Y	89	ILE
2	7-Y	100	GLU
2	7-Y	106	ILE
2	7-Y	109	ILE
2	7-Y	115	ASN
2	7-Y	119	ASN
2	7-Y	148	ILE
3	7-Z	8	ILE
3	7-Z	17	LEU
3	7-Z	42	ILE
3	7-Z	46	ASN
3	7-Z	75	LEU
3	7-Z	98	GLN
3	7-Z	100	PHE
3	7-Z	115	GLU
3	7-Z	117	LEU
3	7-Z	122	VAL
3	7-Z	125	ILE
3	7-Z	132	GLN
3	7-Z	138	ASN
1	8-C	10	PHE
1	8-C	12	TYR
1	8-C	24	GLN
1	8-C	41	GLU
1	8-C	47	GLU
1	8-C	48	ILE
1	8-C	55	GLU
1	8-C	56	ILE
1	8-C	60	ILE
1	8-C	74	ILE
1	8-C	83	GLU
1	8-C	85	LEU
1	8-C	112	ILE
1	8-C	121	ILE
1	8-C	124	ASN
1	8-C	129	LEU
1	8-C	131	ILE
1	8-C	137	ILE
1	8-C	140	TYR
1	8-C	148	ILE
1	8-C	168	GLU
1	8-C	174	ILE

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Mol	Chain	Res	Type
1	8-C	190	ILE
1	8-C	192	TYR
1	8-C	193	LEU
1	8-C	219	ILE
1	8-C	220	ILE
1	8-C	247	ILE
1	8-C	249	ILE
1	8-C	257	ILE
1	8-C	262	ILE
1	8-C	268	GLU
1	8-C	279	GLU
1	8-C	281	ASN
1	8-C	284	ILE
1	8-C	288	ILE
1	8-C	293	ILE
1	8-C	297	ASN
1	8-C	311	PHE
1	8-C	312	ILE
1	8-C	313	ASN
1	8-C	327	GLU
1	8-C	337	ILE
1	8-C	355	ILE
1	8-C	370	GLU
1	8-C	371	GLN
1	8-C	381	GLU
1	8-C	389	ILE
1	8-C	395	LEU
1	8-C	417	ASN
1	8-C	438	LEU
1	8-C	456	ILE
1	8-C	461	ILE
1	8-C	465	GLU
1	8-C	466	ILE
1	8-C	477	ILE
1	8-C	484	LEU
1	8-C	494	ILE
1	8-C	505	ILE
1	8-C	508	GLU
1	8-C	510	ILE
1	8-C	520	ILE
1	8-C	523	ILE
1	8-C	524	GLU

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Mol	Chain	Res	Type
1	8-C	529	ILE
1	8-C	573	GLN
1	8-C	579	GLU
1	8-C	591	ILE
1	8-C	595	LEU
1	8-C	602	ILE
1	8-C	603	ASN
1	8-C	615	GLU
1	8-C	643	GLN
1	8-C	645	ILE
1	8-C	654	ASN
1	8-C	666	HIS
1	8-C	671	ILE
1	8-C	672	ILE
1	8-C	675	GLU
1	8-C	688	LEU
1	8-C	694	ASN
1	8-C	697	LEU
1	8-C	702	ILE
1	8-C	712	ILE
1	8-C	722	ILE
1	8-C	726	ASN
1	8-C	728	ILE
1	8-C	742	ILE
1	8-C	771	GLU
1	8-C	772	GLU
1	8-C	781	ILE
1	8-C	789	ILE
1	8-C	792	TYR
1	8-C	793	LEU
1	8-C	794	ILE
1	8-C	806	ILE
1	8-C	811	ILE
1	8-C	814	ASN
1	8-C	815	ILE
2	8-Y	17	ILE
2	8-Y	27	ILE
2	8-Y	40	ILE
2	8-Y	43	ILE
2	8-Y	56	LEU
2	8-Y	75	ILE
2	8-Y	89	ILE

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Mol	Chain	Res	Type
2	8-Y	100	GLU
2	8-Y	106	ILE
2	8-Y	109	ILE
2	8-Y	115	ASN
2	8-Y	119	ASN
2	8-Y	148	ILE
3	8-Z	8	ILE
3	8-Z	17	LEU
3	8-Z	42	ILE
3	8-Z	46	ASN
3	8-Z	75	LEU
3	8-Z	98	GLN
3	8-Z	100	PHE
3	8-Z	115	GLU
3	8-Z	117	LEU
3	8-Z	122	VAL
3	8-Z	125	ILE
3	8-Z	132	GLN
3	8-Z	138	ASN
1	9-C	10	PHE
1	9-C	12	TYR
1	9-C	24	GLN
1	9-C	41	GLU
1	9-C	47	GLU
1	9-C	48	ILE
1	9-C	55	GLU
1	9-C	56	ILE
1	9-C	60	ILE
1	9-C	74	ILE
1	9-C	83	GLU
1	9-C	85	LEU
1	9-C	112	ILE
1	9-C	121	ILE
1	9-C	124	ASN
1	9-C	129	LEU
1	9-C	131	ILE
1	9-C	137	ILE
1	9-C	140	TYR
1	9-C	148	ILE
1	9-C	168	GLU
1	9-C	174	ILE
1	9-C	190	ILE

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Mol	Chain	Res	Type
1	9-C	192	TYR
1	9-C	193	LEU
1	9-C	219	ILE
1	9-C	220	ILE
1	9-C	247	ILE
1	9-C	249	ILE
1	9-C	257	ILE
1	9-C	262	ILE
1	9-C	268	GLU
1	9-C	279	GLU
1	9-C	281	ASN
1	9-C	284	ILE
1	9-C	288	ILE
1	9-C	293	ILE
1	9-C	297	ASN
1	9-C	311	PHE
1	9-C	312	ILE
1	9-C	313	ASN
1	9-C	327	GLU
1	9-C	337	ILE
1	9-C	355	ILE
1	9-C	370	GLU
1	9-C	371	GLN
1	9-C	381	GLU
1	9-C	389	ILE
1	9-C	395	LEU
1	9-C	417	ASN
1	9-C	438	LEU
1	9-C	456	ILE
1	9-C	461	ILE
1	9-C	465	GLU
1	9-C	466	ILE
1	9-C	477	ILE
1	9-C	484	LEU
1	9-C	494	ILE
1	9-C	505	ILE
1	9-C	508	GLU
1	9-C	510	ILE
1	9-C	520	ILE
1	9-C	523	ILE
1	9-C	524	GLU
1	9-C	529	ILE

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Mol	Chain	Res	Type
1	9-C	573	GLN
1	9-C	579	GLU
1	9-C	591	ILE
1	9-C	595	LEU
1	9-C	602	ILE
1	9-C	603	ASN
1	9-C	615	GLU
1	9-C	643	GLN
1	9-C	645	ILE
1	9-C	654	ASN
1	9-C	666	HIS
1	9-C	671	ILE
1	9-C	672	ILE
1	9-C	675	GLU
1	9-C	688	LEU
1	9-C	694	ASN
1	9-C	697	LEU
1	9-C	702	ILE
1	9-C	712	ILE
1	9-C	722	ILE
1	9-C	726	ASN
1	9-C	728	ILE
1	9-C	742	ILE
1	9-C	771	GLU
1	9-C	772	GLU
1	9-C	781	ILE
1	9-C	789	ILE
1	9-C	792	TYR
1	9-C	793	LEU
1	9-C	794	ILE
1	9-C	806	ILE
1	9-C	811	ILE
1	9-C	814	ASN
1	9-C	815	ILE
2	9-Y	17	ILE
2	9-Y	27	ILE
2	9-Y	40	ILE
2	9-Y	43	ILE
2	9-Y	56	LEU
2	9-Y	75	ILE
2	9-Y	89	ILE
2	9-Y	100	GLU

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Mol	Chain	Res	Type
2	9-Y	106	ILE
2	9-Y	109	ILE
2	9-Y	115	ASN
2	9-Y	119	ASN
2	9-Y	148	ILE
3	9-Z	8	ILE
3	9-Z	17	LEU
3	9-Z	42	ILE
3	9-Z	46	ASN
3	9-Z	75	LEU
3	9-Z	98	GLN
3	9-Z	100	PHE
3	9-Z	115	GLU
3	9-Z	117	LEU
3	9-Z	122	VAL
3	9-Z	125	ILE
3	9-Z	132	GLN
3	9-Z	138	ASN
1	10-C	10	PHE
1	10-C	12	TYR
1	10-C	24	GLN
1	10-C	41	GLU
1	10-C	47	GLU
1	10-C	48	ILE
1	10-C	55	GLU
1	10-C	56	ILE
1	10-C	60	ILE
1	10-C	74	ILE
1	10-C	83	GLU
1	10-C	85	LEU
1	10-C	112	ILE
1	10-C	121	ILE
1	10-C	124	ASN
1	10-C	129	LEU
1	10-C	131	ILE
1	10-C	137	ILE
1	10-C	140	TYR
1	10-C	148	ILE
1	10-C	168	GLU
1	10-C	174	ILE
1	10-C	190	ILE
1	10-C	192	TYR

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Mol	Chain	Res	Type
1	10-C	193	LEU
1	10-C	219	ILE
1	10-C	220	ILE
1	10-C	247	ILE
1	10-C	249	ILE
1	10-C	257	ILE
1	10-C	262	ILE
1	10-C	268	GLU
1	10-C	279	GLU
1	10-C	281	ASN
1	10-C	284	ILE
1	10-C	288	ILE
1	10-C	293	ILE
1	10-C	297	ASN
1	10-C	311	PHE
1	10-C	312	ILE
1	10-C	313	ASN
1	10-C	327	GLU
1	10-C	337	ILE
1	10-C	355	ILE
1	10-C	370	GLU
1	10-C	371	GLN
1	10-C	381	GLU
1	10-C	389	ILE
1	10-C	395	LEU
1	10-C	417	ASN
1	10-C	438	LEU
1	10-C	456	ILE
1	10-C	461	ILE
1	10-C	465	GLU
1	10-C	466	ILE
1	10-C	477	ILE
1	10-C	484	LEU
1	10-C	494	ILE
1	10-C	505	ILE
1	10-C	508	GLU
1	10-C	510	ILE
1	10-C	520	ILE
1	10-C	523	ILE
1	10-C	524	GLU
1	10-C	529	ILE
1	10-C	573	GLN

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Mol	Chain	Res	Type
1	10-C	579	GLU
1	10-C	591	ILE
1	10-C	595	LEU
1	10-C	602	ILE
1	10-C	603	ASN
1	10-C	615	GLU
1	10-C	643	GLN
1	10-C	645	ILE
1	10-C	654	ASN
1	10-C	666	HIS
1	10-C	671	ILE
1	10-C	672	ILE
1	10-C	675	GLU
1	10-C	688	LEU
1	10-C	694	ASN
1	10-C	697	LEU
1	10-C	702	ILE
1	10-C	712	ILE
1	10-C	722	ILE
1	10-C	726	ASN
1	10-C	728	ILE
1	10-C	742	ILE
1	10-C	771	GLU
1	10-C	772	GLU
1	10-C	781	ILE
1	10-C	789	ILE
1	10-C	792	TYR
1	10-C	793	LEU
1	10-C	794	ILE
1	10-C	806	ILE
1	10-C	811	ILE
1	10-C	814	ASN
1	10-C	815	ILE
2	10-Y	17	ILE
2	10-Y	27	ILE
2	10-Y	40	ILE
2	10-Y	43	ILE
2	10-Y	56	LEU
2	10-Y	75	ILE
2	10-Y	89	ILE
2	10-Y	100	GLU
2	10-Y	106	ILE

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Mol	Chain	Res	Type
2	10-Y	109	ILE
2	10-Y	115	ASN
2	10-Y	119	ASN
2	10-Y	148	ILE
3	10-Z	8	ILE
3	10-Z	17	LEU
3	10-Z	42	ILE
3	10-Z	46	ASN
3	10-Z	75	LEU
3	10-Z	98	GLN
3	10-Z	100	PHE
3	10-Z	115	GLU
3	10-Z	117	LEU
3	10-Z	122	VAL
3	10-Z	125	ILE
3	10-Z	132	GLN
3	10-Z	138	ASN
1	11-C	10	PHE
1	11-C	12	TYR
1	11-C	24	GLN
1	11-C	41	GLU
1	11-C	47	GLU
1	11-C	48	ILE
1	11-C	55	GLU
1	11-C	56	ILE
1	11-C	60	ILE
1	11-C	74	ILE
1	11-C	83	GLU
1	11-C	85	LEU
1	11-C	112	ILE
1	11-C	121	ILE
1	11-C	124	ASN
1	11-C	129	LEU
1	11-C	131	ILE
1	11-C	137	ILE
1	11-C	140	TYR
1	11-C	148	ILE
1	11-C	168	GLU
1	11-C	174	ILE
1	11-C	190	ILE
1	11-C	192	TYR
1	11-C	193	LEU

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Mol	Chain	Res	Type
1	11-C	219	ILE
1	11-C	220	ILE
1	11-C	247	ILE
1	11-C	249	ILE
1	11-C	257	ILE
1	11-C	262	ILE
1	11-C	268	GLU
1	11-C	279	GLU
1	11-C	281	ASN
1	11-C	284	ILE
1	11-C	288	ILE
1	11-C	293	ILE
1	11-C	297	ASN
1	11-C	311	PHE
1	11-C	312	ILE
1	11-C	313	ASN
1	11-C	327	GLU
1	11-C	337	ILE
1	11-C	355	ILE
1	11-C	370	GLU
1	11-C	371	GLN
1	11-C	381	GLU
1	11-C	389	ILE
1	11-C	395	LEU
1	11-C	417	ASN
1	11-C	438	LEU
1	11-C	456	ILE
1	11-C	461	ILE
1	11-C	465	GLU
1	11-C	466	ILE
1	11-C	477	ILE
1	11-C	484	LEU
1	11-C	494	ILE
1	11-C	505	ILE
1	11-C	508	GLU
1	11-C	510	ILE
1	11-C	520	ILE
1	11-C	523	ILE
1	11-C	524	GLU
1	11-C	529	ILE
1	11-C	573	GLN
1	11-C	579	GLU

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Mol	Chain	Res	Type
1	11-C	591	ILE
1	11-C	595	LEU
1	11-C	602	ILE
1	11-C	603	ASN
1	11-C	615	GLU
1	11-C	643	GLN
1	11-C	645	ILE
1	11-C	654	ASN
1	11-C	666	HIS
1	11-C	671	ILE
1	11-C	672	ILE
1	11-C	675	GLU
1	11-C	688	LEU
1	11-C	694	ASN
1	11-C	697	LEU
1	11-C	702	ILE
1	11-C	712	ILE
1	11-C	722	ILE
1	11-C	726	ASN
1	11-C	728	ILE
1	11-C	742	ILE
1	11-C	771	GLU
1	11-C	772	GLU
1	11-C	781	ILE
1	11-C	789	ILE
1	11-C	792	TYR
1	11-C	793	LEU
1	11-C	794	ILE
1	11-C	806	ILE
1	11-C	811	ILE
1	11-C	814	ASN
1	11-C	815	ILE
2	11-Y	17	ILE
2	11-Y	27	ILE
2	11-Y	40	ILE
2	11-Y	43	ILE
2	11-Y	56	LEU
2	11-Y	75	ILE
2	11-Y	89	ILE
2	11-Y	100	GLU
2	11-Y	106	ILE
2	11-Y	109	ILE

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Mol	Chain	Res	Type
2	11-Y	115	ASN
2	11-Y	119	ASN
2	11-Y	148	ILE
3	11-Z	8	ILE
3	11-Z	17	LEU
3	11-Z	42	ILE
3	11-Z	46	ASN
3	11-Z	75	LEU
3	11-Z	98	GLN
3	11-Z	100	PHE
3	11-Z	115	GLU
3	11-Z	117	LEU
3	11-Z	122	VAL
3	11-Z	125	ILE
3	11-Z	132	GLN
3	11-Z	138	ASN
1	12-C	10	PHE
1	12-C	12	TYR
1	12-C	24	GLN
1	12-C	41	GLU
1	12-C	47	GLU
1	12-C	48	ILE
1	12-C	55	GLU
1	12-C	56	ILE
1	12-C	60	ILE
1	12-C	74	ILE
1	12-C	83	GLU
1	12-C	85	LEU
1	12-C	112	ILE
1	12-C	121	ILE
1	12-C	124	ASN
1	12-C	129	LEU
1	12-C	131	ILE
1	12-C	137	ILE
1	12-C	140	TYR
1	12-C	148	ILE
1	12-C	168	GLU
1	12-C	174	ILE
1	12-C	190	ILE
1	12-C	192	TYR
1	12-C	193	LEU
1	12-C	219	ILE

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Mol	Chain	Res	Type
1	12-C	220	ILE
1	12-C	247	ILE
1	12-C	249	ILE
1	12-C	257	ILE
1	12-C	262	ILE
1	12-C	268	GLU
1	12-C	279	GLU
1	12-C	281	ASN
1	12-C	284	ILE
1	12-C	288	ILE
1	12-C	293	ILE
1	12-C	297	ASN
1	12-C	311	PHE
1	12-C	312	ILE
1	12-C	313	ASN
1	12-C	327	GLU
1	12-C	337	ILE
1	12-C	355	ILE
1	12-C	370	GLU
1	12-C	371	GLN
1	12-C	381	GLU
1	12-C	389	ILE
1	12-C	395	LEU
1	12-C	417	ASN
1	12-C	438	LEU
1	12-C	456	ILE
1	12-C	461	ILE
1	12-C	465	GLU
1	12-C	466	ILE
1	12-C	477	ILE
1	12-C	484	LEU
1	12-C	494	ILE
1	12-C	505	ILE
1	12-C	508	GLU
1	12-C	510	ILE
1	12-C	520	ILE
1	12-C	523	ILE
1	12-C	524	GLU
1	12-C	529	ILE
1	12-C	573	GLN
1	12-C	579	GLU
1	12-C	591	ILE

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Mol	Chain	Res	Type
1	12-C	595	LEU
1	12-C	602	ILE
1	12-C	603	ASN
1	12-C	615	GLU
1	12-C	643	GLN
1	12-C	645	ILE
1	12-C	654	ASN
1	12-C	666	HIS
1	12-C	671	ILE
1	12-C	672	ILE
1	12-C	675	GLU
1	12-C	688	LEU
1	12-C	694	ASN
1	12-C	697	LEU
1	12-C	702	ILE
1	12-C	712	ILE
1	12-C	722	ILE
1	12-C	726	ASN
1	12-C	728	ILE
1	12-C	742	ILE
1	12-C	771	GLU
1	12-C	772	GLU
1	12-C	781	ILE
1	12-C	789	ILE
1	12-C	792	TYR
1	12-C	793	LEU
1	12-C	794	ILE
1	12-C	806	ILE
1	12-C	811	ILE
1	12-C	814	ASN
1	12-C	815	ILE
2	12-Y	17	ILE
2	12-Y	27	ILE
2	12-Y	40	ILE
2	12-Y	43	ILE
2	12-Y	56	LEU
2	12-Y	75	ILE
2	12-Y	89	ILE
2	12-Y	100	GLU
2	12-Y	106	ILE
2	12-Y	109	ILE
2	12-Y	115	ASN

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Mol	Chain	Res	Type
2	12-Y	119	ASN
2	12-Y	148	ILE
3	12-Z	8	ILE
3	12-Z	17	LEU
3	12-Z	42	ILE
3	12-Z	46	ASN
3	12-Z	75	LEU
3	12-Z	98	GLN
3	12-Z	100	PHE
3	12-Z	115	GLU
3	12-Z	117	LEU
3	12-Z	122	VAL
3	12-Z	125	ILE
3	12-Z	132	GLN
3	12-Z	138	ASN
1	13-C	10	PHE
1	13-C	12	TYR
1	13-C	24	GLN
1	13-C	41	GLU
1	13-C	47	GLU
1	13-C	48	ILE
1	13-C	55	GLU
1	13-C	56	ILE
1	13-C	60	ILE
1	13-C	74	ILE
1	13-C	83	GLU
1	13-C	85	LEU
1	13-C	112	ILE
1	13-C	121	ILE
1	13-C	124	ASN
1	13-C	129	LEU
1	13-C	131	ILE
1	13-C	137	ILE
1	13-C	140	TYR
1	13-C	148	ILE
1	13-C	168	GLU
1	13-C	174	ILE
1	13-C	190	ILE
1	13-C	192	TYR
1	13-C	193	LEU
1	13-C	219	ILE
1	13-C	220	ILE

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Mol	Chain	Res	Type
1	13-C	247	ILE
1	13-C	249	ILE
1	13-C	257	ILE
1	13-C	262	ILE
1	13-C	268	GLU
1	13-C	279	GLU
1	13-C	281	ASN
1	13-C	284	ILE
1	13-C	288	ILE
1	13-C	293	ILE
1	13-C	297	ASN
1	13-C	311	PHE
1	13-C	312	ILE
1	13-C	313	ASN
1	13-C	327	GLU
1	13-C	337	ILE
1	13-C	355	ILE
1	13-C	370	GLU
1	13-C	371	GLN
1	13-C	381	GLU
1	13-C	389	ILE
1	13-C	395	LEU
1	13-C	417	ASN
1	13-C	438	LEU
1	13-C	456	ILE
1	13-C	461	ILE
1	13-C	465	GLU
1	13-C	466	ILE
1	13-C	477	ILE
1	13-C	484	LEU
1	13-C	494	ILE
1	13-C	505	ILE
1	13-C	508	GLU
1	13-C	510	ILE
1	13-C	520	ILE
1	13-C	523	ILE
1	13-C	524	GLU
1	13-C	529	ILE
1	13-C	573	GLN
1	13-C	579	GLU
1	13-C	591	ILE
1	13-C	595	LEU

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Mol	Chain	Res	Type
1	13-C	602	ILE
1	13-C	603	ASN
1	13-C	615	GLU
1	13-C	643	GLN
1	13-C	645	ILE
1	13-C	654	ASN
1	13-C	666	HIS
1	13-C	671	ILE
1	13-C	672	ILE
1	13-C	675	GLU
1	13-C	688	LEU
1	13-C	694	ASN
1	13-C	697	LEU
1	13-C	702	ILE
1	13-C	712	ILE
1	13-C	722	ILE
1	13-C	726	ASN
1	13-C	728	ILE
1	13-C	742	ILE
1	13-C	771	GLU
1	13-C	772	GLU
1	13-C	781	ILE
1	13-C	789	ILE
1	13-C	792	TYR
1	13-C	793	LEU
1	13-C	794	ILE
1	13-C	806	ILE
1	13-C	811	ILE
1	13-C	814	ASN
1	13-C	815	ILE
2	13-Y	17	ILE
2	13-Y	27	ILE
2	13-Y	40	ILE
2	13-Y	43	ILE
2	13-Y	56	LEU
2	13-Y	75	ILE
2	13-Y	89	ILE
2	13-Y	100	GLU
2	13-Y	106	ILE
2	13-Y	109	ILE
2	13-Y	115	ASN
2	13-Y	119	ASN

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Mol	Chain	Res	Type
2	13-Y	148	ILE
3	13-Z	8	ILE
3	13-Z	17	LEU
3	13-Z	42	ILE
3	13-Z	46	ASN
3	13-Z	75	LEU
3	13-Z	98	GLN
3	13-Z	100	PHE
3	13-Z	115	GLU
3	13-Z	117	LEU
3	13-Z	122	VAL
3	13-Z	125	ILE
3	13-Z	132	GLN
3	13-Z	138	ASN
1	14-C	10	PHE
1	14-C	12	TYR
1	14-C	24	GLN
1	14-C	41	GLU
1	14-C	47	GLU
1	14-C	48	ILE
1	14-C	55	GLU
1	14-C	56	ILE
1	14-C	60	ILE
1	14-C	74	ILE
1	14-C	83	GLU
1	14-C	85	LEU
1	14-C	112	ILE
1	14-C	121	ILE
1	14-C	124	ASN
1	14-C	129	LEU
1	14-C	131	ILE
1	14-C	137	ILE
1	14-C	140	TYR
1	14-C	148	ILE
1	14-C	168	GLU
1	14-C	174	ILE
1	14-C	190	ILE
1	14-C	192	TYR
1	14-C	193	LEU
1	14-C	219	ILE
1	14-C	220	ILE
1	14-C	247	ILE

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Mol	Chain	Res	Type
1	14-C	249	ILE
1	14-C	257	ILE
1	14-C	262	ILE
1	14-C	268	GLU
1	14-C	279	GLU
1	14-C	281	ASN
1	14-C	284	ILE
1	14-C	288	ILE
1	14-C	293	ILE
1	14-C	297	ASN
1	14-C	311	PHE
1	14-C	312	ILE
1	14-C	313	ASN
1	14-C	327	GLU
1	14-C	337	ILE
1	14-C	355	ILE
1	14-C	370	GLU
1	14-C	371	GLN
1	14-C	381	GLU
1	14-C	389	ILE
1	14-C	395	LEU
1	14-C	417	ASN
1	14-C	438	LEU
1	14-C	456	ILE
1	14-C	461	ILE
1	14-C	465	GLU
1	14-C	466	ILE
1	14-C	477	ILE
1	14-C	484	LEU
1	14-C	494	ILE
1	14-C	505	ILE
1	14-C	508	GLU
1	14-C	510	ILE
1	14-C	520	ILE
1	14-C	523	ILE
1	14-C	524	GLU
1	14-C	529	ILE
1	14-C	573	GLN
1	14-C	579	GLU
1	14-C	591	ILE
1	14-C	595	LEU
1	14-C	602	ILE

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Mol	Chain	Res	Type
1	14-C	603	ASN
1	14-C	615	GLU
1	14-C	643	GLN
1	14-C	645	ILE
1	14-C	654	ASN
1	14-C	666	HIS
1	14-C	671	ILE
1	14-C	672	ILE
1	14-C	675	GLU
1	14-C	688	LEU
1	14-C	694	ASN
1	14-C	697	LEU
1	14-C	702	ILE
1	14-C	712	ILE
1	14-C	722	ILE
1	14-C	726	ASN
1	14-C	728	ILE
1	14-C	742	ILE
1	14-C	771	GLU
1	14-C	772	GLU
1	14-C	781	ILE
1	14-C	789	ILE
1	14-C	792	TYR
1	14-C	793	LEU
1	14-C	794	ILE
1	14-C	806	ILE
1	14-C	811	ILE
1	14-C	814	ASN
1	14-C	815	ILE
2	14-Y	17	ILE
2	14-Y	27	ILE
2	14-Y	40	ILE
2	14-Y	43	ILE
2	14-Y	56	LEU
2	14-Y	75	ILE
2	14-Y	89	ILE
2	14-Y	100	GLU
2	14-Y	106	ILE
2	14-Y	109	ILE
2	14-Y	115	ASN
2	14-Y	119	ASN
2	14-Y	148	ILE

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Mol	Chain	Res	Type
3	14-Z	8	ILE
3	14-Z	17	LEU
3	14-Z	42	ILE
3	14-Z	46	ASN
3	14-Z	75	LEU
3	14-Z	98	GLN
3	14-Z	100	PHE
3	14-Z	115	GLU
3	14-Z	117	LEU
3	14-Z	122	VAL
3	14-Z	125	ILE
3	14-Z	132	GLN
3	14-Z	138	ASN
1	15-C	10	PHE
1	15-C	12	TYR
1	15-C	24	GLN
1	15-C	41	GLU
1	15-C	47	GLU
1	15-C	48	ILE
1	15-C	55	GLU
1	15-C	56	ILE
1	15-C	60	ILE
1	15-C	74	ILE
1	15-C	83	GLU
1	15-C	85	LEU
1	15-C	112	ILE
1	15-C	121	ILE
1	15-C	124	ASN
1	15-C	129	LEU
1	15-C	131	ILE
1	15-C	137	ILE
1	15-C	140	TYR
1	15-C	148	ILE
1	15-C	168	GLU
1	15-C	174	ILE
1	15-C	190	ILE
1	15-C	192	TYR
1	15-C	193	LEU
1	15-C	219	ILE
1	15-C	220	ILE
1	15-C	247	ILE
1	15-C	249	ILE

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Mol	Chain	Res	Type
1	15-C	257	ILE
1	15-C	262	ILE
1	15-C	268	GLU
1	15-C	279	GLU
1	15-C	281	ASN
1	15-C	284	ILE
1	15-C	288	ILE
1	15-C	293	ILE
1	15-C	297	ASN
1	15-C	311	PHE
1	15-C	312	ILE
1	15-C	313	ASN
1	15-C	327	GLU
1	15-C	337	ILE
1	15-C	355	ILE
1	15-C	370	GLU
1	15-C	371	GLN
1	15-C	381	GLU
1	15-C	389	ILE
1	15-C	395	LEU
1	15-C	417	ASN
1	15-C	438	LEU
1	15-C	456	ILE
1	15-C	461	ILE
1	15-C	465	GLU
1	15-C	466	ILE
1	15-C	477	ILE
1	15-C	484	LEU
1	15-C	494	ILE
1	15-C	505	ILE
1	15-C	508	GLU
1	15-C	510	ILE
1	15-C	520	ILE
1	15-C	523	ILE
1	15-C	524	GLU
1	15-C	529	ILE
1	15-C	573	GLN
1	15-C	579	GLU
1	15-C	591	ILE
1	15-C	595	LEU
1	15-C	602	ILE
1	15-C	603	ASN

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Mol	Chain	Res	Type
1	15-C	615	GLU
1	15-C	643	GLN
1	15-C	645	ILE
1	15-C	654	ASN
1	15-C	666	HIS
1	15-C	671	ILE
1	15-C	672	ILE
1	15-C	675	GLU
1	15-C	688	LEU
1	15-C	694	ASN
1	15-C	697	LEU
1	15-C	702	ILE
1	15-C	712	ILE
1	15-C	722	ILE
1	15-C	726	ASN
1	15-C	728	ILE
1	15-C	742	ILE
1	15-C	771	GLU
1	15-C	772	GLU
1	15-C	781	ILE
1	15-C	789	ILE
1	15-C	792	TYR
1	15-C	793	LEU
1	15-C	794	ILE
1	15-C	806	ILE
1	15-C	811	ILE
1	15-C	814	ASN
1	15-C	815	ILE
2	15-Y	17	ILE
2	15-Y	27	ILE
2	15-Y	40	ILE
2	15-Y	43	ILE
2	15-Y	56	LEU
2	15-Y	75	ILE
2	15-Y	89	ILE
2	15-Y	100	GLU
2	15-Y	106	ILE
2	15-Y	109	ILE
2	15-Y	115	ASN
2	15-Y	119	ASN
2	15-Y	148	ILE
3	15-Z	8	ILE

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Mol	Chain	Res	Type
3	15-Z	17	LEU
3	15-Z	42	ILE
3	15-Z	46	ASN
3	15-Z	75	LEU
3	15-Z	98	GLN
3	15-Z	100	PHE
3	15-Z	115	GLU
3	15-Z	117	LEU
3	15-Z	122	VAL
3	15-Z	125	ILE
3	15-Z	132	GLN
3	15-Z	138	ASN
1	16-C	10	PHE
1	16-C	12	TYR
1	16-C	24	GLN
1	16-C	41	GLU
1	16-C	47	GLU
1	16-C	48	ILE
1	16-C	55	GLU
1	16-C	56	ILE
1	16-C	60	ILE
1	16-C	74	ILE
1	16-C	83	GLU
1	16-C	85	LEU
1	16-C	112	ILE
1	16-C	121	ILE
1	16-C	124	ASN
1	16-C	129	LEU
1	16-C	131	ILE
1	16-C	137	ILE
1	16-C	140	TYR
1	16-C	148	ILE
1	16-C	168	GLU
1	16-C	174	ILE
1	16-C	190	ILE
1	16-C	192	TYR
1	16-C	193	LEU
1	16-C	219	ILE
1	16-C	220	ILE
1	16-C	247	ILE
1	16-C	249	ILE
1	16-C	257	ILE

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Mol	Chain	Res	Type
1	16-C	262	ILE
1	16-C	268	GLU
1	16-C	279	GLU
1	16-C	281	ASN
1	16-C	284	ILE
1	16-C	288	ILE
1	16-C	293	ILE
1	16-C	297	ASN
1	16-C	311	PHE
1	16-C	312	ILE
1	16-C	313	ASN
1	16-C	327	GLU
1	16-C	337	ILE
1	16-C	355	ILE
1	16-C	370	GLU
1	16-C	371	GLN
1	16-C	381	GLU
1	16-C	389	ILE
1	16-C	395	LEU
1	16-C	417	ASN
1	16-C	438	LEU
1	16-C	456	ILE
1	16-C	461	ILE
1	16-C	465	GLU
1	16-C	466	ILE
1	16-C	477	ILE
1	16-C	484	LEU
1	16-C	494	ILE
1	16-C	505	ILE
1	16-C	508	GLU
1	16-C	510	ILE
1	16-C	520	ILE
1	16-C	523	ILE
1	16-C	524	GLU
1	16-C	529	ILE
1	16-C	573	GLN
1	16-C	579	GLU
1	16-C	591	ILE
1	16-C	595	LEU
1	16-C	602	ILE
1	16-C	603	ASN
1	16-C	615	GLU

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Mol	Chain	Res	Type
1	16-C	643	GLN
1	16-C	645	ILE
1	16-C	654	ASN
1	16-C	666	HIS
1	16-C	671	ILE
1	16-C	672	ILE
1	16-C	675	GLU
1	16-C	688	LEU
1	16-C	694	ASN
1	16-C	697	LEU
1	16-C	702	ILE
1	16-C	712	ILE
1	16-C	722	ILE
1	16-C	726	ASN
1	16-C	728	ILE
1	16-C	742	ILE
1	16-C	771	GLU
1	16-C	772	GLU
1	16-C	781	ILE
1	16-C	789	ILE
1	16-C	792	TYR
1	16-C	793	LEU
1	16-C	794	ILE
1	16-C	806	ILE
1	16-C	811	ILE
1	16-C	814	ASN
1	16-C	815	ILE
2	16-Y	17	ILE
2	16-Y	27	ILE
2	16-Y	40	ILE
2	16-Y	43	ILE
2	16-Y	56	LEU
2	16-Y	75	ILE
2	16-Y	89	ILE
2	16-Y	100	GLU
2	16-Y	106	ILE
2	16-Y	109	ILE
2	16-Y	115	ASN
2	16-Y	119	ASN
2	16-Y	148	ILE
3	16-Z	8	ILE
3	16-Z	17	LEU

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Mol	Chain	Res	Type
3	16-Z	42	ILE
3	16-Z	46	ASN
3	16-Z	75	LEU
3	16-Z	98	GLN
3	16-Z	100	PHE
3	16-Z	115	GLU
3	16-Z	117	LEU
3	16-Z	122	VAL
3	16-Z	125	ILE
3	16-Z	132	GLN
3	16-Z	138	ASN
1	17-C	10	PHE
1	17-C	12	TYR
1	17-C	24	GLN
1	17-C	41	GLU
1	17-C	47	GLU
1	17-C	48	ILE
1	17-C	55	GLU
1	17-C	56	ILE
1	17-C	60	ILE
1	17-C	74	ILE
1	17-C	83	GLU
1	17-C	85	LEU
1	17-C	112	ILE
1	17-C	121	ILE
1	17-C	124	ASN
1	17-C	129	LEU
1	17-C	131	ILE
1	17-C	137	ILE
1	17-C	140	TYR
1	17-C	148	ILE
1	17-C	168	GLU
1	17-C	174	ILE
1	17-C	190	ILE
1	17-C	192	TYR
1	17-C	193	LEU
1	17-C	219	ILE
1	17-C	220	ILE
1	17-C	247	ILE
1	17-C	249	ILE
1	17-C	257	ILE
1	17-C	262	ILE

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Mol	Chain	Res	Type
1	17-C	268	GLU
1	17-C	279	GLU
1	17-C	281	ASN
1	17-C	284	ILE
1	17-C	288	ILE
1	17-C	293	ILE
1	17-C	297	ASN
1	17-C	311	PHE
1	17-C	312	ILE
1	17-C	313	ASN
1	17-C	327	GLU
1	17-C	337	ILE
1	17-C	355	ILE
1	17-C	370	GLU
1	17-C	371	GLN
1	17-C	381	GLU
1	17-C	389	ILE
1	17-C	395	LEU
1	17-C	417	ASN
1	17-C	438	LEU
1	17-C	456	ILE
1	17-C	461	ILE
1	17-C	465	GLU
1	17-C	466	ILE
1	17-C	477	ILE
1	17-C	484	LEU
1	17-C	494	ILE
1	17-C	505	ILE
1	17-C	508	GLU
1	17-C	510	ILE
1	17-C	520	ILE
1	17-C	523	ILE
1	17-C	524	GLU
1	17-C	529	ILE
1	17-C	573	GLN
1	17-C	579	GLU
1	17-C	591	ILE
1	17-C	595	LEU
1	17-C	602	ILE
1	17-C	603	ASN
1	17-C	615	GLU
1	17-C	643	GLN

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Mol	Chain	Res	Type
1	17-C	645	ILE
1	17-C	654	ASN
1	17-C	666	HIS
1	17-C	671	ILE
1	17-C	672	ILE
1	17-C	675	GLU
1	17-C	688	LEU
1	17-C	694	ASN
1	17-C	697	LEU
1	17-C	702	ILE
1	17-C	712	ILE
1	17-C	722	ILE
1	17-C	726	ASN
1	17-C	728	ILE
1	17-C	742	ILE
1	17-C	771	GLU
1	17-C	772	GLU
1	17-C	781	ILE
1	17-C	789	ILE
1	17-C	792	TYR
1	17-C	793	LEU
1	17-C	794	ILE
1	17-C	806	ILE
1	17-C	811	ILE
1	17-C	814	ASN
1	17-C	815	ILE
2	17-Y	17	ILE
2	17-Y	27	ILE
2	17-Y	40	ILE
2	17-Y	43	ILE
2	17-Y	56	LEU
2	17-Y	75	ILE
2	17-Y	89	ILE
2	17-Y	100	GLU
2	17-Y	106	ILE
2	17-Y	109	ILE
2	17-Y	115	ASN
2	17-Y	119	ASN
2	17-Y	148	ILE
3	17-Z	8	ILE
3	17-Z	17	LEU
3	17-Z	42	ILE

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Mol	Chain	Res	Type
3	17-Z	46	ASN
3	17-Z	75	LEU
3	17-Z	98	GLN
3	17-Z	100	PHE
3	17-Z	115	GLU
3	17-Z	117	LEU
3	17-Z	122	VAL
3	17-Z	125	ILE
3	17-Z	132	GLN
3	17-Z	138	ASN
1	18-C	10	PHE
1	18-C	12	TYR
1	18-C	24	GLN
1	18-C	41	GLU
1	18-C	47	GLU
1	18-C	48	ILE
1	18-C	55	GLU
1	18-C	56	ILE
1	18-C	60	ILE
1	18-C	74	ILE
1	18-C	83	GLU
1	18-C	85	LEU
1	18-C	112	ILE
1	18-C	121	ILE
1	18-C	124	ASN
1	18-C	129	LEU
1	18-C	131	ILE
1	18-C	137	ILE
1	18-C	140	TYR
1	18-C	148	ILE
1	18-C	168	GLU
1	18-C	174	ILE
1	18-C	190	ILE
1	18-C	192	TYR
1	18-C	193	LEU
1	18-C	219	ILE
1	18-C	220	ILE
1	18-C	247	ILE
1	18-C	249	ILE
1	18-C	257	ILE
1	18-C	262	ILE
1	18-C	268	GLU

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Mol	Chain	Res	Type
1	18-C	279	GLU
1	18-C	281	ASN
1	18-C	284	ILE
1	18-C	288	ILE
1	18-C	293	ILE
1	18-C	297	ASN
1	18-C	311	PHE
1	18-C	312	ILE
1	18-C	313	ASN
1	18-C	327	GLU
1	18-C	337	ILE
1	18-C	355	ILE
1	18-C	370	GLU
1	18-C	371	GLN
1	18-C	381	GLU
1	18-C	389	ILE
1	18-C	395	LEU
1	18-C	417	ASN
1	18-C	438	LEU
1	18-C	456	ILE
1	18-C	461	ILE
1	18-C	465	GLU
1	18-C	466	ILE
1	18-C	477	ILE
1	18-C	484	LEU
1	18-C	494	ILE
1	18-C	505	ILE
1	18-C	508	GLU
1	18-C	510	ILE
1	18-C	520	ILE
1	18-C	523	ILE
1	18-C	524	GLU
1	18-C	529	ILE
1	18-C	573	GLN
1	18-C	579	GLU
1	18-C	591	ILE
1	18-C	595	LEU
1	18-C	602	ILE
1	18-C	603	ASN
1	18-C	615	GLU
1	18-C	643	GLN
1	18-C	645	ILE

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Mol	Chain	Res	Type
1	18-C	654	ASN
1	18-C	666	HIS
1	18-C	671	ILE
1	18-C	672	ILE
1	18-C	675	GLU
1	18-C	688	LEU
1	18-C	694	ASN
1	18-C	697	LEU
1	18-C	702	ILE
1	18-C	712	ILE
1	18-C	722	ILE
1	18-C	726	ASN
1	18-C	728	ILE
1	18-C	742	ILE
1	18-C	771	GLU
1	18-C	772	GLU
1	18-C	781	ILE
1	18-C	789	ILE
1	18-C	792	TYR
1	18-C	793	LEU
1	18-C	794	ILE
1	18-C	806	ILE
1	18-C	811	ILE
1	18-C	814	ASN
1	18-C	815	ILE
2	18-Y	17	ILE
2	18-Y	27	ILE
2	18-Y	40	ILE
2	18-Y	43	ILE
2	18-Y	56	LEU
2	18-Y	75	ILE
2	18-Y	89	ILE
2	18-Y	100	GLU
2	18-Y	106	ILE
2	18-Y	109	ILE
2	18-Y	115	ASN
2	18-Y	119	ASN
2	18-Y	148	ILE
3	18-Z	8	ILE
3	18-Z	17	LEU
3	18-Z	42	ILE
3	18-Z	46	ASN

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Mol	Chain	Res	Type
3	18-Z	75	LEU
3	18-Z	98	GLN
3	18-Z	100	PHE
3	18-Z	115	GLU
3	18-Z	117	LEU
3	18-Z	122	VAL
3	18-Z	125	ILE
3	18-Z	132	GLN
3	18-Z	138	ASN
1	19-C	10	PHE
1	19-C	12	TYR
1	19-C	24	GLN
1	19-C	41	GLU
1	19-C	47	GLU
1	19-C	48	ILE
1	19-C	55	GLU
1	19-C	56	ILE
1	19-C	60	ILE
1	19-C	74	ILE
1	19-C	83	GLU
1	19-C	85	LEU
1	19-C	112	ILE
1	19-C	121	ILE
1	19-C	124	ASN
1	19-C	129	LEU
1	19-C	131	ILE
1	19-C	137	ILE
1	19-C	140	TYR
1	19-C	148	ILE
1	19-C	168	GLU
1	19-C	174	ILE
1	19-C	190	ILE
1	19-C	192	TYR
1	19-C	193	LEU
1	19-C	219	ILE
1	19-C	220	ILE
1	19-C	247	ILE
1	19-C	249	ILE
1	19-C	257	ILE
1	19-C	262	ILE
1	19-C	268	GLU
1	19-C	279	GLU

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Mol	Chain	Res	Type
1	19-C	281	ASN
1	19-C	284	ILE
1	19-C	288	ILE
1	19-C	293	ILE
1	19-C	297	ASN
1	19-C	311	PHE
1	19-C	312	ILE
1	19-C	313	ASN
1	19-C	327	GLU
1	19-C	337	ILE
1	19-C	355	ILE
1	19-C	370	GLU
1	19-C	371	GLN
1	19-C	381	GLU
1	19-C	389	ILE
1	19-C	395	LEU
1	19-C	417	ASN
1	19-C	438	LEU
1	19-C	456	ILE
1	19-C	461	ILE
1	19-C	465	GLU
1	19-C	466	ILE
1	19-C	477	ILE
1	19-C	484	LEU
1	19-C	494	ILE
1	19-C	505	ILE
1	19-C	508	GLU
1	19-C	510	ILE
1	19-C	520	ILE
1	19-C	523	ILE
1	19-C	524	GLU
1	19-C	529	ILE
1	19-C	573	GLN
1	19-C	579	GLU
1	19-C	591	ILE
1	19-C	595	LEU
1	19-C	602	ILE
1	19-C	603	ASN
1	19-C	615	GLU
1	19-C	643	GLN
1	19-C	645	ILE
1	19-C	654	ASN

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Mol	Chain	Res	Type
1	19-C	666	HIS
1	19-C	671	ILE
1	19-C	672	ILE
1	19-C	675	GLU
1	19-C	688	LEU
1	19-C	694	ASN
1	19-C	697	LEU
1	19-C	702	ILE
1	19-C	712	ILE
1	19-C	722	ILE
1	19-C	726	ASN
1	19-C	728	ILE
1	19-C	742	ILE
1	19-C	771	GLU
1	19-C	772	GLU
1	19-C	781	ILE
1	19-C	789	ILE
1	19-C	792	TYR
1	19-C	793	LEU
1	19-C	794	ILE
1	19-C	806	ILE
1	19-C	811	ILE
1	19-C	814	ASN
1	19-C	815	ILE
2	19-Y	17	ILE
2	19-Y	27	ILE
2	19-Y	40	ILE
2	19-Y	43	ILE
2	19-Y	56	LEU
2	19-Y	75	ILE
2	19-Y	89	ILE
2	19-Y	100	GLU
2	19-Y	106	ILE
2	19-Y	109	ILE
2	19-Y	115	ASN
2	19-Y	119	ASN
2	19-Y	148	ILE
3	19-Z	8	ILE
3	19-Z	17	LEU
3	19-Z	42	ILE
3	19-Z	46	ASN
3	19-Z	75	LEU

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Mol	Chain	Res	Type
3	19-Z	98	GLN
3	19-Z	100	PHE
3	19-Z	115	GLU
3	19-Z	117	LEU
3	19-Z	122	VAL
3	19-Z	125	ILE
3	19-Z	132	GLN
3	19-Z	138	ASN
1	20-C	10	PHE
1	20-C	12	TYR
1	20-C	24	GLN
1	20-C	41	GLU
1	20-C	47	GLU
1	20-C	48	ILE
1	20-C	55	GLU
1	20-C	56	ILE
1	20-C	60	ILE
1	20-C	74	ILE
1	20-C	83	GLU
1	20-C	85	LEU
1	20-C	112	ILE
1	20-C	121	ILE
1	20-C	124	ASN
1	20-C	129	LEU
1	20-C	131	ILE
1	20-C	137	ILE
1	20-C	140	TYR
1	20-C	148	ILE
1	20-C	168	GLU
1	20-C	174	ILE
1	20-C	190	ILE
1	20-C	192	TYR
1	20-C	193	LEU
1	20-C	219	ILE
1	20-C	220	ILE
1	20-C	247	ILE
1	20-C	249	ILE
1	20-C	257	ILE
1	20-C	262	ILE
1	20-C	268	GLU
1	20-C	279	GLU
1	20-C	281	ASN

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Mol	Chain	Res	Type
1	20-C	284	ILE
1	20-C	288	ILE
1	20-C	293	ILE
1	20-C	297	ASN
1	20-C	311	PHE
1	20-C	312	ILE
1	20-C	313	ASN
1	20-C	327	GLU
1	20-C	337	ILE
1	20-C	355	ILE
1	20-C	370	GLU
1	20-C	371	GLN
1	20-C	381	GLU
1	20-C	389	ILE
1	20-C	395	LEU
1	20-C	417	ASN
1	20-C	438	LEU
1	20-C	456	ILE
1	20-C	461	ILE
1	20-C	465	GLU
1	20-C	466	ILE
1	20-C	477	ILE
1	20-C	484	LEU
1	20-C	494	ILE
1	20-C	505	ILE
1	20-C	508	GLU
1	20-C	510	ILE
1	20-C	520	ILE
1	20-C	523	ILE
1	20-C	524	GLU
1	20-C	529	ILE
1	20-C	573	GLN
1	20-C	579	GLU
1	20-C	591	ILE
1	20-C	595	LEU
1	20-C	602	ILE
1	20-C	603	ASN
1	20-C	615	GLU
1	20-C	643	GLN
1	20-C	645	ILE
1	20-C	654	ASN
1	20-C	666	HIS

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Mol	Chain	Res	Type
1	20-C	671	ILE
1	20-C	672	ILE
1	20-C	675	GLU
1	20-C	688	LEU
1	20-C	694	ASN
1	20-C	697	LEU
1	20-C	702	ILE
1	20-C	712	ILE
1	20-C	722	ILE
1	20-C	726	ASN
1	20-C	728	ILE
1	20-C	742	ILE
1	20-C	771	GLU
1	20-C	772	GLU
1	20-C	781	ILE
1	20-C	789	ILE
1	20-C	792	TYR
1	20-C	793	LEU
1	20-C	794	ILE
1	20-C	806	ILE
1	20-C	811	ILE
1	20-C	814	ASN
1	20-C	815	ILE
2	20-Y	17	ILE
2	20-Y	27	ILE
2	20-Y	40	ILE
2	20-Y	43	ILE
2	20-Y	56	LEU
2	20-Y	75	ILE
2	20-Y	89	ILE
2	20-Y	100	GLU
2	20-Y	106	ILE
2	20-Y	109	ILE
2	20-Y	115	ASN
2	20-Y	119	ASN
2	20-Y	148	ILE
3	20-Z	8	ILE
3	20-Z	17	LEU
3	20-Z	42	ILE
3	20-Z	46	ASN
3	20-Z	75	LEU
3	20-Z	98	GLN

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Mol	Chain	Res	Type
3	20-Z	100	PHE
3	20-Z	115	GLU
3	20-Z	117	LEU
3	20-Z	122	VAL
3	20-Z	125	ILE
3	20-Z	132	GLN
3	20-Z	138	ASN
1	21-C	10	PHE
1	21-C	12	TYR
1	21-C	24	GLN
1	21-C	41	GLU
1	21-C	47	GLU
1	21-C	48	ILE
1	21-C	55	GLU
1	21-C	56	ILE
1	21-C	60	ILE
1	21-C	74	ILE
1	21-C	83	GLU
1	21-C	85	LEU
1	21-C	112	ILE
1	21-C	121	ILE
1	21-C	124	ASN
1	21-C	129	LEU
1	21-C	131	ILE
1	21-C	137	ILE
1	21-C	140	TYR
1	21-C	148	ILE
1	21-C	168	GLU
1	21-C	174	ILE
1	21-C	190	ILE
1	21-C	192	TYR
1	21-C	193	LEU
1	21-C	219	ILE
1	21-C	220	ILE
1	21-C	247	ILE
1	21-C	249	ILE
1	21-C	257	ILE
1	21-C	262	ILE
1	21-C	268	GLU
1	21-C	279	GLU
1	21-C	281	ASN
1	21-C	284	ILE

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Mol	Chain	Res	Type
1	21-C	288	ILE
1	21-C	293	ILE
1	21-C	297	ASN
1	21-C	311	PHE
1	21-C	312	ILE
1	21-C	313	ASN
1	21-C	327	GLU
1	21-C	337	ILE
1	21-C	355	ILE
1	21-C	370	GLU
1	21-C	371	GLN
1	21-C	381	GLU
1	21-C	389	ILE
1	21-C	395	LEU
1	21-C	417	ASN
1	21-C	438	LEU
1	21-C	456	ILE
1	21-C	461	ILE
1	21-C	465	GLU
1	21-C	466	ILE
1	21-C	477	ILE
1	21-C	484	LEU
1	21-C	494	ILE
1	21-C	505	ILE
1	21-C	508	GLU
1	21-C	510	ILE
1	21-C	520	ILE
1	21-C	523	ILE
1	21-C	524	GLU
1	21-C	529	ILE
1	21-C	573	GLN
1	21-C	579	GLU
1	21-C	591	ILE
1	21-C	595	LEU
1	21-C	602	ILE
1	21-C	603	ASN
1	21-C	615	GLU
1	21-C	643	GLN
1	21-C	645	ILE
1	21-C	654	ASN
1	21-C	666	HIS
1	21-C	671	ILE

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Mol	Chain	Res	Type
1	21-C	672	ILE
1	21-C	675	GLU
1	21-C	688	LEU
1	21-C	694	ASN
1	21-C	697	LEU
1	21-C	702	ILE
1	21-C	712	ILE
1	21-C	722	ILE
1	21-C	726	ASN
1	21-C	728	ILE
1	21-C	742	ILE
1	21-C	771	GLU
1	21-C	772	GLU
1	21-C	781	ILE
1	21-C	789	ILE
1	21-C	792	TYR
1	21-C	793	LEU
1	21-C	794	ILE
1	21-C	806	ILE
1	21-C	811	ILE
1	21-C	814	ASN
1	21-C	815	ILE
2	21-Y	17	ILE
2	21-Y	27	ILE
2	21-Y	40	ILE
2	21-Y	43	ILE
2	21-Y	56	LEU
2	21-Y	75	ILE
2	21-Y	89	ILE
2	21-Y	100	GLU
2	21-Y	106	ILE
2	21-Y	109	ILE
2	21-Y	115	ASN
2	21-Y	119	ASN
2	21-Y	148	ILE
3	21-Z	8	ILE
3	21-Z	17	LEU
3	21-Z	42	ILE
3	21-Z	46	ASN
3	21-Z	75	LEU
3	21-Z	98	GLN
3	21-Z	100	PHE

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Mol	Chain	Res	Type
3	21-Z	115	GLU
3	21-Z	117	LEU
3	21-Z	122	VAL
3	21-Z	125	ILE
3	21-Z	132	GLN
3	21-Z	138	ASN
1	22-C	10	PHE
1	22-C	12	TYR
1	22-C	24	GLN
1	22-C	41	GLU
1	22-C	47	GLU
1	22-C	48	ILE
1	22-C	55	GLU
1	22-C	56	ILE
1	22-C	60	ILE
1	22-C	74	ILE
1	22-C	83	GLU
1	22-C	85	LEU
1	22-C	112	ILE
1	22-C	121	ILE
1	22-C	124	ASN
1	22-C	129	LEU
1	22-C	131	ILE
1	22-C	137	ILE
1	22-C	140	TYR
1	22-C	148	ILE
1	22-C	168	GLU
1	22-C	174	ILE
1	22-C	190	ILE
1	22-C	192	TYR
1	22-C	193	LEU
1	22-C	219	ILE
1	22-C	220	ILE
1	22-C	247	ILE
1	22-C	249	ILE
1	22-C	257	ILE
1	22-C	262	ILE
1	22-C	268	GLU
1	22-C	279	GLU
1	22-C	281	ASN
1	22-C	284	ILE
1	22-C	288	ILE

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Mol	Chain	Res	Type
1	22-C	293	ILE
1	22-C	297	ASN
1	22-C	311	PHE
1	22-C	312	ILE
1	22-C	313	ASN
1	22-C	327	GLU
1	22-C	337	ILE
1	22-C	355	ILE
1	22-C	370	GLU
1	22-C	371	GLN
1	22-C	381	GLU
1	22-C	389	ILE
1	22-C	395	LEU
1	22-C	417	ASN
1	22-C	438	LEU
1	22-C	456	ILE
1	22-C	461	ILE
1	22-C	465	GLU
1	22-C	466	ILE
1	22-C	477	ILE
1	22-C	484	LEU
1	22-C	494	ILE
1	22-C	505	ILE
1	22-C	508	GLU
1	22-C	510	ILE
1	22-C	520	ILE
1	22-C	523	ILE
1	22-C	524	GLU
1	22-C	529	ILE
1	22-C	573	GLN
1	22-C	579	GLU
1	22-C	591	ILE
1	22-C	595	LEU
1	22-C	602	ILE
1	22-C	603	ASN
1	22-C	615	GLU
1	22-C	643	GLN
1	22-C	645	ILE
1	22-C	654	ASN
1	22-C	666	HIS
1	22-C	671	ILE
1	22-C	672	ILE

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Mol	Chain	Res	Type
1	22-C	675	GLU
1	22-C	688	LEU
1	22-C	694	ASN
1	22-C	697	LEU
1	22-C	702	ILE
1	22-C	712	ILE
1	22-C	722	ILE
1	22-C	726	ASN
1	22-C	728	ILE
1	22-C	742	ILE
1	22-C	771	GLU
1	22-C	772	GLU
1	22-C	781	ILE
1	22-C	789	ILE
1	22-C	792	TYR
1	22-C	793	LEU
1	22-C	794	ILE
1	22-C	806	ILE
1	22-C	811	ILE
1	22-C	814	ASN
1	22-C	815	ILE
2	22-Y	17	ILE
2	22-Y	27	ILE
2	22-Y	40	ILE
2	22-Y	43	ILE
2	22-Y	56	LEU
2	22-Y	75	ILE
2	22-Y	89	ILE
2	22-Y	100	GLU
2	22-Y	106	ILE
2	22-Y	109	ILE
2	22-Y	115	ASN
2	22-Y	119	ASN
2	22-Y	148	ILE
3	22-Z	8	ILE
3	22-Z	17	LEU
3	22-Z	42	ILE
3	22-Z	46	ASN
3	22-Z	75	LEU
3	22-Z	98	GLN
3	22-Z	100	PHE
3	22-Z	115	GLU

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Mol	Chain	Res	Type
3	22-Z	117	LEU
3	22-Z	122	VAL
3	22-Z	125	ILE
3	22-Z	132	GLN
3	22-Z	138	ASN
1	23-C	10	PHE
1	23-C	12	TYR
1	23-C	24	GLN
1	23-C	41	GLU
1	23-C	47	GLU
1	23-C	48	ILE
1	23-C	55	GLU
1	23-C	56	ILE
1	23-C	60	ILE
1	23-C	74	ILE
1	23-C	83	GLU
1	23-C	85	LEU
1	23-C	112	ILE
1	23-C	121	ILE
1	23-C	124	ASN
1	23-C	129	LEU
1	23-C	131	ILE
1	23-C	137	ILE
1	23-C	140	TYR
1	23-C	148	ILE
1	23-C	168	GLU
1	23-C	174	ILE
1	23-C	190	ILE
1	23-C	192	TYR
1	23-C	193	LEU
1	23-C	219	ILE
1	23-C	220	ILE
1	23-C	247	ILE
1	23-C	249	ILE
1	23-C	257	ILE
1	23-C	262	ILE
1	23-C	268	GLU
1	23-C	279	GLU
1	23-C	281	ASN
1	23-C	284	ILE
1	23-C	288	ILE
1	23-C	293	ILE

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Mol	Chain	Res	Type
1	23-C	297	ASN
1	23-C	311	PHE
1	23-C	312	ILE
1	23-C	313	ASN
1	23-C	327	GLU
1	23-C	337	ILE
1	23-C	355	ILE
1	23-C	370	GLU
1	23-C	371	GLN
1	23-C	381	GLU
1	23-C	389	ILE
1	23-C	395	LEU
1	23-C	417	ASN
1	23-C	438	LEU
1	23-C	456	ILE
1	23-C	461	ILE
1	23-C	465	GLU
1	23-C	466	ILE
1	23-C	477	ILE
1	23-C	484	LEU
1	23-C	494	ILE
1	23-C	505	ILE
1	23-C	508	GLU
1	23-C	510	ILE
1	23-C	520	ILE
1	23-C	523	ILE
1	23-C	524	GLU
1	23-C	529	ILE
1	23-C	573	GLN
1	23-C	579	GLU
1	23-C	591	ILE
1	23-C	595	LEU
1	23-C	602	ILE
1	23-C	603	ASN
1	23-C	615	GLU
1	23-C	643	GLN
1	23-C	645	ILE
1	23-C	654	ASN
1	23-C	666	HIS
1	23-C	671	ILE
1	23-C	672	ILE
1	23-C	675	GLU

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Mol	Chain	Res	Type
1	23-C	688	LEU
1	23-C	694	ASN
1	23-C	697	LEU
1	23-C	702	ILE
1	23-C	712	ILE
1	23-C	722	ILE
1	23-C	726	ASN
1	23-C	728	ILE
1	23-C	742	ILE
1	23-C	771	GLU
1	23-C	772	GLU
1	23-C	781	ILE
1	23-C	789	ILE
1	23-C	792	TYR
1	23-C	793	LEU
1	23-C	794	ILE
1	23-C	806	ILE
1	23-C	811	ILE
1	23-C	814	ASN
1	23-C	815	ILE
2	23-Y	17	ILE
2	23-Y	27	ILE
2	23-Y	40	ILE
2	23-Y	43	ILE
2	23-Y	56	LEU
2	23-Y	75	ILE
2	23-Y	89	ILE
2	23-Y	100	GLU
2	23-Y	106	ILE
2	23-Y	109	ILE
2	23-Y	115	ASN
2	23-Y	119	ASN
2	23-Y	148	ILE
3	23-Z	8	ILE
3	23-Z	17	LEU
3	23-Z	42	ILE
3	23-Z	46	ASN
3	23-Z	75	LEU
3	23-Z	98	GLN
3	23-Z	100	PHE
3	23-Z	115	GLU
3	23-Z	117	LEU

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Mol	Chain	Res	Type
3	23-Z	122	VAL
3	23-Z	125	ILE
3	23-Z	132	GLN
3	23-Z	138	ASN
1	24-C	10	PHE
1	24-C	12	TYR
1	24-C	24	GLN
1	24-C	41	GLU
1	24-C	47	GLU
1	24-C	48	ILE
1	24-C	55	GLU
1	24-C	56	ILE
1	24-C	60	ILE
1	24-C	74	ILE
1	24-C	83	GLU
1	24-C	85	LEU
1	24-C	112	ILE
1	24-C	121	ILE
1	24-C	124	ASN
1	24-C	129	LEU
1	24-C	131	ILE
1	24-C	137	ILE
1	24-C	140	TYR
1	24-C	148	ILE
1	24-C	168	GLU
1	24-C	174	ILE
1	24-C	190	ILE
1	24-C	192	TYR
1	24-C	193	LEU
1	24-C	219	ILE
1	24-C	220	ILE
1	24-C	247	ILE
1	24-C	249	ILE
1	24-C	257	ILE
1	24-C	262	ILE
1	24-C	268	GLU
1	24-C	279	GLU
1	24-C	281	ASN
1	24-C	284	ILE
1	24-C	288	ILE
1	24-C	293	ILE
1	24-C	297	ASN

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Mol	Chain	Res	Type
1	24-C	311	PHE
1	24-C	312	ILE
1	24-C	313	ASN
1	24-C	327	GLU
1	24-C	337	ILE
1	24-C	355	ILE
1	24-C	370	GLU
1	24-C	371	GLN
1	24-C	381	GLU
1	24-C	389	ILE
1	24-C	395	LEU
1	24-C	417	ASN
1	24-C	438	LEU
1	24-C	456	ILE
1	24-C	461	ILE
1	24-C	465	GLU
1	24-C	466	ILE
1	24-C	477	ILE
1	24-C	484	LEU
1	24-C	494	ILE
1	24-C	505	ILE
1	24-C	508	GLU
1	24-C	510	ILE
1	24-C	520	ILE
1	24-C	523	ILE
1	24-C	524	GLU
1	24-C	529	ILE
1	24-C	573	GLN
1	24-C	579	GLU
1	24-C	591	ILE
1	24-C	595	LEU
1	24-C	602	ILE
1	24-C	603	ASN
1	24-C	615	GLU
1	24-C	643	GLN
1	24-C	645	ILE
1	24-C	654	ASN
1	24-C	666	HIS
1	24-C	671	ILE
1	24-C	672	ILE
1	24-C	675	GLU
1	24-C	688	LEU

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Mol	Chain	Res	Type
1	24-C	694	ASN
1	24-C	697	LEU
1	24-C	702	ILE
1	24-C	712	ILE
1	24-C	722	ILE
1	24-C	726	ASN
1	24-C	728	ILE
1	24-C	742	ILE
1	24-C	771	GLU
1	24-C	772	GLU
1	24-C	781	ILE
1	24-C	789	ILE
1	24-C	792	TYR
1	24-C	793	LEU
1	24-C	794	ILE
1	24-C	806	ILE
1	24-C	811	ILE
1	24-C	814	ASN
1	24-C	815	ILE
2	24-Y	17	ILE
2	24-Y	27	ILE
2	24-Y	40	ILE
2	24-Y	43	ILE
2	24-Y	56	LEU
2	24-Y	75	ILE
2	24-Y	89	ILE
2	24-Y	100	GLU
2	24-Y	106	ILE
2	24-Y	109	ILE
2	24-Y	115	ASN
2	24-Y	119	ASN
2	24-Y	148	ILE
3	24-Z	8	ILE
3	24-Z	17	LEU
3	24-Z	42	ILE
3	24-Z	46	ASN
3	24-Z	75	LEU
3	24-Z	98	GLN
3	24-Z	100	PHE
3	24-Z	115	GLU
3	24-Z	117	LEU
3	24-Z	122	VAL

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Mol	Chain	Res	Type
3	24-Z	125	ILE
3	24-Z	132	GLN
3	24-Z	138	ASN
1	25-C	10	PHE
1	25-C	12	TYR
1	25-C	24	GLN
1	25-C	41	GLU
1	25-C	47	GLU
1	25-C	48	ILE
1	25-C	55	GLU
1	25-C	56	ILE
1	25-C	60	ILE
1	25-C	74	ILE
1	25-C	83	GLU
1	25-C	85	LEU
1	25-C	112	ILE
1	25-C	121	ILE
1	25-C	124	ASN
1	25-C	129	LEU
1	25-C	131	ILE
1	25-C	137	ILE
1	25-C	140	TYR
1	25-C	148	ILE
1	25-C	168	GLU
1	25-C	174	ILE
1	25-C	190	ILE
1	25-C	192	TYR
1	25-C	193	LEU
1	25-C	219	ILE
1	25-C	220	ILE
1	25-C	247	ILE
1	25-C	249	ILE
1	25-C	257	ILE
1	25-C	262	ILE
1	25-C	268	GLU
1	25-C	279	GLU
1	25-C	281	ASN
1	25-C	284	ILE
1	25-C	288	ILE
1	25-C	293	ILE
1	25-C	297	ASN
1	25-C	311	PHE

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Mol	Chain	Res	Type
1	25-C	312	ILE
1	25-C	313	ASN
1	25-C	327	GLU
1	25-C	337	ILE
1	25-C	355	ILE
1	25-C	370	GLU
1	25-C	371	GLN
1	25-C	381	GLU
1	25-C	389	ILE
1	25-C	395	LEU
1	25-C	417	ASN
1	25-C	438	LEU
1	25-C	456	ILE
1	25-C	461	ILE
1	25-C	465	GLU
1	25-C	466	ILE
1	25-C	477	ILE
1	25-C	484	LEU
1	25-C	494	ILE
1	25-C	505	ILE
1	25-C	508	GLU
1	25-C	510	ILE
1	25-C	520	ILE
1	25-C	523	ILE
1	25-C	524	GLU
1	25-C	529	ILE
1	25-C	573	GLN
1	25-C	579	GLU
1	25-C	591	ILE
1	25-C	595	LEU
1	25-C	602	ILE
1	25-C	603	ASN
1	25-C	615	GLU
1	25-C	643	GLN
1	25-C	645	ILE
1	25-C	654	ASN
1	25-C	666	HIS
1	25-C	671	ILE
1	25-C	672	ILE
1	25-C	675	GLU
1	25-C	688	LEU
1	25-C	694	ASN

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Mol	Chain	Res	Type
1	25-C	697	LEU
1	25-C	702	ILE
1	25-C	712	ILE
1	25-C	722	ILE
1	25-C	726	ASN
1	25-C	728	ILE
1	25-C	742	ILE
1	25-C	771	GLU
1	25-C	772	GLU
1	25-C	781	ILE
1	25-C	789	ILE
1	25-C	792	TYR
1	25-C	793	LEU
1	25-C	794	ILE
1	25-C	806	ILE
1	25-C	811	ILE
1	25-C	814	ASN
1	25-C	815	ILE
2	25-Y	17	ILE
2	25-Y	27	ILE
2	25-Y	40	ILE
2	25-Y	43	ILE
2	25-Y	56	LEU
2	25-Y	75	ILE
2	25-Y	89	ILE
2	25-Y	100	GLU
2	25-Y	106	ILE
2	25-Y	109	ILE
2	25-Y	115	ASN
2	25-Y	119	ASN
2	25-Y	148	ILE
3	25-Z	8	ILE
3	25-Z	17	LEU
3	25-Z	42	ILE
3	25-Z	46	ASN
3	25-Z	75	LEU
3	25-Z	98	GLN
3	25-Z	100	PHE
3	25-Z	115	GLU
3	25-Z	117	LEU
3	25-Z	122	VAL
3	25-Z	125	ILE

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Mol	Chain	Res	Type
3	25-Z	132	GLN
3	25-Z	138	ASN
1	26-C	10	PHE
1	26-C	12	TYR
1	26-C	24	GLN
1	26-C	41	GLU
1	26-C	47	GLU
1	26-C	48	ILE
1	26-C	55	GLU
1	26-C	56	ILE
1	26-C	60	ILE
1	26-C	74	ILE
1	26-C	83	GLU
1	26-C	85	LEU
1	26-C	112	ILE
1	26-C	121	ILE
1	26-C	124	ASN
1	26-C	129	LEU
1	26-C	131	ILE
1	26-C	137	ILE
1	26-C	140	TYR
1	26-C	148	ILE
1	26-C	168	GLU
1	26-C	174	ILE
1	26-C	190	ILE
1	26-C	192	TYR
1	26-C	193	LEU
1	26-C	219	ILE
1	26-C	220	ILE
1	26-C	247	ILE
1	26-C	249	ILE
1	26-C	257	ILE
1	26-C	262	ILE
1	26-C	268	GLU
1	26-C	279	GLU
1	26-C	281	ASN
1	26-C	284	ILE
1	26-C	288	ILE
1	26-C	293	ILE
1	26-C	297	ASN
1	26-C	311	PHE
1	26-C	312	ILE

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Mol	Chain	Res	Type
1	26-C	313	ASN
1	26-C	327	GLU
1	26-C	337	ILE
1	26-C	355	ILE
1	26-C	370	GLU
1	26-C	371	GLN
1	26-C	381	GLU
1	26-C	389	ILE
1	26-C	395	LEU
1	26-C	417	ASN
1	26-C	438	LEU
1	26-C	456	ILE
1	26-C	461	ILE
1	26-C	465	GLU
1	26-C	466	ILE
1	26-C	477	ILE
1	26-C	484	LEU
1	26-C	494	ILE
1	26-C	505	ILE
1	26-C	508	GLU
1	26-C	510	ILE
1	26-C	520	ILE
1	26-C	523	ILE
1	26-C	524	GLU
1	26-C	529	ILE
1	26-C	573	GLN
1	26-C	579	GLU
1	26-C	591	ILE
1	26-C	595	LEU
1	26-C	602	ILE
1	26-C	603	ASN
1	26-C	615	GLU
1	26-C	643	GLN
1	26-C	645	ILE
1	26-C	654	ASN
1	26-C	666	HIS
1	26-C	671	ILE
1	26-C	672	ILE
1	26-C	675	GLU
1	26-C	688	LEU
1	26-C	694	ASN
1	26-C	697	LEU

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Mol	Chain	Res	Type
1	26-C	702	ILE
1	26-C	712	ILE
1	26-C	722	ILE
1	26-C	726	ASN
1	26-C	728	ILE
1	26-C	742	ILE
1	26-C	771	GLU
1	26-C	772	GLU
1	26-C	781	ILE
1	26-C	789	ILE
1	26-C	792	TYR
1	26-C	793	LEU
1	26-C	794	ILE
1	26-C	806	ILE
1	26-C	811	ILE
1	26-C	814	ASN
1	26-C	815	ILE
2	26-Y	17	ILE
2	26-Y	27	ILE
2	26-Y	40	ILE
2	26-Y	43	ILE
2	26-Y	56	LEU
2	26-Y	75	ILE
2	26-Y	89	ILE
2	26-Y	100	GLU
2	26-Y	106	ILE
2	26-Y	109	ILE
2	26-Y	115	ASN
2	26-Y	119	ASN
2	26-Y	148	ILE
3	26-Z	8	ILE
3	26-Z	17	LEU
3	26-Z	42	ILE
3	26-Z	46	ASN
3	26-Z	75	LEU
3	26-Z	98	GLN
3	26-Z	100	PHE
3	26-Z	115	GLU
3	26-Z	117	LEU
3	26-Z	122	VAL
3	26-Z	125	ILE
3	26-Z	132	GLN

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Mol	Chain	Res	Type
3	26-Z	138	ASN
1	27-C	10	PHE
1	27-C	12	TYR
1	27-C	24	GLN
1	27-C	41	GLU
1	27-C	47	GLU
1	27-C	48	ILE
1	27-C	55	GLU
1	27-C	56	ILE
1	27-C	60	ILE
1	27-C	74	ILE
1	27-C	83	GLU
1	27-C	85	LEU
1	27-C	112	ILE
1	27-C	121	ILE
1	27-C	124	ASN
1	27-C	129	LEU
1	27-C	131	ILE
1	27-C	137	ILE
1	27-C	140	TYR
1	27-C	148	ILE
1	27-C	168	GLU
1	27-C	174	ILE
1	27-C	190	ILE
1	27-C	192	TYR
1	27-C	193	LEU
1	27-C	219	ILE
1	27-C	220	ILE
1	27-C	247	ILE
1	27-C	249	ILE
1	27-C	257	ILE
1	27-C	262	ILE
1	27-C	268	GLU
1	27-C	279	GLU
1	27-C	281	ASN
1	27-C	284	ILE
1	27-C	288	ILE
1	27-C	293	ILE
1	27-C	297	ASN
1	27-C	311	PHE
1	27-C	312	ILE
1	27-C	313	ASN

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Mol	Chain	Res	Type
1	27-C	327	GLU
1	27-C	337	ILE
1	27-C	355	ILE
1	27-C	370	GLU
1	27-C	371	GLN
1	27-C	381	GLU
1	27-C	389	ILE
1	27-C	395	LEU
1	27-C	417	ASN
1	27-C	438	LEU
1	27-C	456	ILE
1	27-C	461	ILE
1	27-C	465	GLU
1	27-C	466	ILE
1	27-C	477	ILE
1	27-C	484	LEU
1	27-C	494	ILE
1	27-C	505	ILE
1	27-C	508	GLU
1	27-C	510	ILE
1	27-C	520	ILE
1	27-C	523	ILE
1	27-C	524	GLU
1	27-C	529	ILE
1	27-C	573	GLN
1	27-C	579	GLU
1	27-C	591	ILE
1	27-C	595	LEU
1	27-C	602	ILE
1	27-C	603	ASN
1	27-C	615	GLU
1	27-C	643	GLN
1	27-C	645	ILE
1	27-C	654	ASN
1	27-C	666	HIS
1	27-C	671	ILE
1	27-C	672	ILE
1	27-C	675	GLU
1	27-C	688	LEU
1	27-C	694	ASN
1	27-C	697	LEU
1	27-C	702	ILE

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Mol	Chain	Res	Type
1	27-C	712	ILE
1	27-C	722	ILE
1	27-C	726	ASN
1	27-C	728	ILE
1	27-C	742	ILE
1	27-C	771	GLU
1	27-C	772	GLU
1	27-C	781	ILE
1	27-C	789	ILE
1	27-C	792	TYR
1	27-C	793	LEU
1	27-C	794	ILE
1	27-C	806	ILE
1	27-C	811	ILE
1	27-C	814	ASN
1	27-C	815	ILE
2	27-Y	17	ILE
2	27-Y	27	ILE
2	27-Y	40	ILE
2	27-Y	43	ILE
2	27-Y	56	LEU
2	27-Y	75	ILE
2	27-Y	89	ILE
2	27-Y	100	GLU
2	27-Y	106	ILE
2	27-Y	109	ILE
2	27-Y	115	ASN
2	27-Y	119	ASN
2	27-Y	148	ILE
3	27-Z	8	ILE
3	27-Z	17	LEU
3	27-Z	42	ILE
3	27-Z	46	ASN
3	27-Z	75	LEU
3	27-Z	98	GLN
3	27-Z	100	PHE
3	27-Z	115	GLU
3	27-Z	117	LEU
3	27-Z	122	VAL
3	27-Z	125	ILE
3	27-Z	132	GLN
3	27-Z	138	ASN

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Mol	Chain	Res	Type
1	28-C	10	PHE
1	28-C	12	TYR
1	28-C	24	GLN
1	28-C	41	GLU
1	28-C	47	GLU
1	28-C	48	ILE
1	28-C	55	GLU
1	28-C	56	ILE
1	28-C	60	ILE
1	28-C	74	ILE
1	28-C	83	GLU
1	28-C	85	LEU
1	28-C	112	ILE
1	28-C	121	ILE
1	28-C	124	ASN
1	28-C	129	LEU
1	28-C	131	ILE
1	28-C	137	ILE
1	28-C	140	TYR
1	28-C	148	ILE
1	28-C	168	GLU
1	28-C	174	ILE
1	28-C	190	ILE
1	28-C	192	TYR
1	28-C	193	LEU
1	28-C	219	ILE
1	28-C	220	ILE
1	28-C	247	ILE
1	28-C	249	ILE
1	28-C	257	ILE
1	28-C	262	ILE
1	28-C	268	GLU
1	28-C	279	GLU
1	28-C	281	ASN
1	28-C	284	ILE
1	28-C	288	ILE
1	28-C	293	ILE
1	28-C	297	ASN
1	28-C	311	PHE
1	28-C	312	ILE
1	28-C	313	ASN
1	28-C	327	GLU

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Mol	Chain	Res	Type
1	28-C	337	ILE
1	28-C	355	ILE
1	28-C	370	GLU
1	28-C	371	GLN
1	28-C	381	GLU
1	28-C	389	ILE
1	28-C	395	LEU
1	28-C	417	ASN
1	28-C	438	LEU
1	28-C	456	ILE
1	28-C	461	ILE
1	28-C	465	GLU
1	28-C	466	ILE
1	28-C	477	ILE
1	28-C	484	LEU
1	28-C	494	ILE
1	28-C	505	ILE
1	28-C	508	GLU
1	28-C	510	ILE
1	28-C	520	ILE
1	28-C	523	ILE
1	28-C	524	GLU
1	28-C	529	ILE
1	28-C	573	GLN
1	28-C	579	GLU
1	28-C	591	ILE
1	28-C	595	LEU
1	28-C	602	ILE
1	28-C	603	ASN
1	28-C	615	GLU
1	28-C	643	GLN
1	28-C	645	ILE
1	28-C	654	ASN
1	28-C	666	HIS
1	28-C	671	ILE
1	28-C	672	ILE
1	28-C	675	GLU
1	28-C	688	LEU
1	28-C	694	ASN
1	28-C	697	LEU
1	28-C	702	ILE
1	28-C	712	ILE

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Mol	Chain	Res	Type
1	28-C	722	ILE
1	28-C	726	ASN
1	28-C	728	ILE
1	28-C	742	ILE
1	28-C	771	GLU
1	28-C	772	GLU
1	28-C	781	ILE
1	28-C	789	ILE
1	28-C	792	TYR
1	28-C	793	LEU
1	28-C	794	ILE
1	28-C	806	ILE
1	28-C	811	ILE
1	28-C	814	ASN
1	28-C	815	ILE
2	28-Y	17	ILE
2	28-Y	27	ILE
2	28-Y	40	ILE
2	28-Y	43	ILE
2	28-Y	56	LEU
2	28-Y	75	ILE
2	28-Y	89	ILE
2	28-Y	100	GLU
2	28-Y	106	ILE
2	28-Y	109	ILE
2	28-Y	115	ASN
2	28-Y	119	ASN
2	28-Y	148	ILE
3	28-Z	8	ILE
3	28-Z	17	LEU
3	28-Z	42	ILE
3	28-Z	46	ASN
3	28-Z	75	LEU
3	28-Z	98	GLN
3	28-Z	100	PHE
3	28-Z	115	GLU
3	28-Z	117	LEU
3	28-Z	122	VAL
3	28-Z	125	ILE
3	28-Z	132	GLN
3	28-Z	138	ASN
1	29-C	10	PHE

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Mol	Chain	Res	Type
1	29-C	12	TYR
1	29-C	24	GLN
1	29-C	41	GLU
1	29-C	47	GLU
1	29-C	48	ILE
1	29-C	55	GLU
1	29-C	56	ILE
1	29-C	60	ILE
1	29-C	74	ILE
1	29-C	83	GLU
1	29-C	85	LEU
1	29-C	112	ILE
1	29-C	121	ILE
1	29-C	124	ASN
1	29-C	129	LEU
1	29-C	131	ILE
1	29-C	137	ILE
1	29-C	140	TYR
1	29-C	148	ILE
1	29-C	168	GLU
1	29-C	174	ILE
1	29-C	190	ILE
1	29-C	192	TYR
1	29-C	193	LEU
1	29-C	219	ILE
1	29-C	220	ILE
1	29-C	247	ILE
1	29-C	249	ILE
1	29-C	257	ILE
1	29-C	262	ILE
1	29-C	268	GLU
1	29-C	279	GLU
1	29-C	281	ASN
1	29-C	284	ILE
1	29-C	288	ILE
1	29-C	293	ILE
1	29-C	297	ASN
1	29-C	311	PHE
1	29-C	312	ILE
1	29-C	313	ASN
1	29-C	327	GLU
1	29-C	337	ILE

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Mol	Chain	Res	Type
1	29-C	355	ILE
1	29-C	370	GLU
1	29-C	371	GLN
1	29-C	381	GLU
1	29-C	389	ILE
1	29-C	395	LEU
1	29-C	417	ASN
1	29-C	438	LEU
1	29-C	456	ILE
1	29-C	461	ILE
1	29-C	465	GLU
1	29-C	466	ILE
1	29-C	477	ILE
1	29-C	484	LEU
1	29-C	494	ILE
1	29-C	505	ILE
1	29-C	508	GLU
1	29-C	510	ILE
1	29-C	520	ILE
1	29-C	523	ILE
1	29-C	524	GLU
1	29-C	529	ILE
1	29-C	573	GLN
1	29-C	579	GLU
1	29-C	591	ILE
1	29-C	595	LEU
1	29-C	602	ILE
1	29-C	603	ASN
1	29-C	615	GLU
1	29-C	643	GLN
1	29-C	645	ILE
1	29-C	654	ASN
1	29-C	666	HIS
1	29-C	671	ILE
1	29-C	672	ILE
1	29-C	675	GLU
1	29-C	688	LEU
1	29-C	694	ASN
1	29-C	697	LEU
1	29-C	702	ILE
1	29-C	712	ILE
1	29-C	722	ILE

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Mol	Chain	Res	Type
1	29-C	726	ASN
1	29-C	728	ILE
1	29-C	742	ILE
1	29-C	771	GLU
1	29-C	772	GLU
1	29-C	781	ILE
1	29-C	789	ILE
1	29-C	792	TYR
1	29-C	793	LEU
1	29-C	794	ILE
1	29-C	806	ILE
1	29-C	811	ILE
1	29-C	814	ASN
1	29-C	815	ILE
2	29-Y	17	ILE
2	29-Y	27	ILE
2	29-Y	40	ILE
2	29-Y	43	ILE
2	29-Y	56	LEU
2	29-Y	75	ILE
2	29-Y	89	ILE
2	29-Y	100	GLU
2	29-Y	106	ILE
2	29-Y	109	ILE
2	29-Y	115	ASN
2	29-Y	119	ASN
2	29-Y	148	ILE
3	29-Z	8	ILE
3	29-Z	17	LEU
3	29-Z	42	ILE
3	29-Z	46	ASN
3	29-Z	75	LEU
3	29-Z	98	GLN
3	29-Z	100	PHE
3	29-Z	115	GLU
3	29-Z	117	LEU
3	29-Z	122	VAL
3	29-Z	125	ILE
3	29-Z	132	GLN
3	29-Z	138	ASN
1	30-C	10	PHE
1	30-C	12	TYR

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Mol	Chain	Res	Type
1	30-C	24	GLN
1	30-C	41	GLU
1	30-C	47	GLU
1	30-C	48	ILE
1	30-C	55	GLU
1	30-C	56	ILE
1	30-C	60	ILE
1	30-C	74	ILE
1	30-C	83	GLU
1	30-C	85	LEU
1	30-C	112	ILE
1	30-C	121	ILE
1	30-C	124	ASN
1	30-C	129	LEU
1	30-C	131	ILE
1	30-C	137	ILE
1	30-C	140	TYR
1	30-C	148	ILE
1	30-C	168	GLU
1	30-C	174	ILE
1	30-C	190	ILE
1	30-C	192	TYR
1	30-C	193	LEU
1	30-C	219	ILE
1	30-C	220	ILE
1	30-C	247	ILE
1	30-C	249	ILE
1	30-C	257	ILE
1	30-C	262	ILE
1	30-C	268	GLU
1	30-C	279	GLU
1	30-C	281	ASN
1	30-C	284	ILE
1	30-C	288	ILE
1	30-C	293	ILE
1	30-C	297	ASN
1	30-C	311	PHE
1	30-C	312	ILE
1	30-C	313	ASN
1	30-C	327	GLU
1	30-C	337	ILE
1	30-C	355	ILE

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Mol	Chain	Res	Type
1	30-C	370	GLU
1	30-C	371	GLN
1	30-C	381	GLU
1	30-C	389	ILE
1	30-C	395	LEU
1	30-C	417	ASN
1	30-C	438	LEU
1	30-C	456	ILE
1	30-C	461	ILE
1	30-C	465	GLU
1	30-C	466	ILE
1	30-C	477	ILE
1	30-C	484	LEU
1	30-C	494	ILE
1	30-C	505	ILE
1	30-C	508	GLU
1	30-C	510	ILE
1	30-C	520	ILE
1	30-C	523	ILE
1	30-C	524	GLU
1	30-C	529	ILE
1	30-C	573	GLN
1	30-C	579	GLU
1	30-C	591	ILE
1	30-C	595	LEU
1	30-C	602	ILE
1	30-C	603	ASN
1	30-C	615	GLU
1	30-C	643	GLN
1	30-C	645	ILE
1	30-C	654	ASN
1	30-C	666	HIS
1	30-C	671	ILE
1	30-C	672	ILE
1	30-C	675	GLU
1	30-C	688	LEU
1	30-C	694	ASN
1	30-C	697	LEU
1	30-C	702	ILE
1	30-C	712	ILE
1	30-C	722	ILE
1	30-C	726	ASN

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Mol	Chain	Res	Type
1	30-C	728	ILE
1	30-C	742	ILE
1	30-C	771	GLU
1	30-C	772	GLU
1	30-C	781	ILE
1	30-C	789	ILE
1	30-C	792	TYR
1	30-C	793	LEU
1	30-C	794	ILE
1	30-C	806	ILE
1	30-C	811	ILE
1	30-C	814	ASN
1	30-C	815	ILE
2	30-Y	17	ILE
2	30-Y	27	ILE
2	30-Y	40	ILE
2	30-Y	43	ILE
2	30-Y	56	LEU
2	30-Y	75	ILE
2	30-Y	89	ILE
2	30-Y	100	GLU
2	30-Y	106	ILE
2	30-Y	109	ILE
2	30-Y	115	ASN
2	30-Y	119	ASN
2	30-Y	148	ILE
3	30-Z	8	ILE
3	30-Z	17	LEU
3	30-Z	42	ILE
3	30-Z	46	ASN
3	30-Z	75	LEU
3	30-Z	98	GLN
3	30-Z	100	PHE
3	30-Z	115	GLU
3	30-Z	117	LEU
3	30-Z	122	VAL
3	30-Z	125	ILE
3	30-Z	132	GLN
3	30-Z	138	ASN
1	31-C	10	PHE
1	31-C	12	TYR
1	31-C	24	GLN

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Mol	Chain	Res	Type
1	31-C	41	GLU
1	31-C	47	GLU
1	31-C	48	ILE
1	31-C	55	GLU
1	31-C	56	ILE
1	31-C	60	ILE
1	31-C	74	ILE
1	31-C	83	GLU
1	31-C	85	LEU
1	31-C	112	ILE
1	31-C	121	ILE
1	31-C	124	ASN
1	31-C	129	LEU
1	31-C	131	ILE
1	31-C	137	ILE
1	31-C	140	TYR
1	31-C	148	ILE
1	31-C	168	GLU
1	31-C	174	ILE
1	31-C	190	ILE
1	31-C	192	TYR
1	31-C	193	LEU
1	31-C	219	ILE
1	31-C	220	ILE
1	31-C	247	ILE
1	31-C	249	ILE
1	31-C	257	ILE
1	31-C	262	ILE
1	31-C	268	GLU
1	31-C	279	GLU
1	31-C	281	ASN
1	31-C	284	ILE
1	31-C	288	ILE
1	31-C	293	ILE
1	31-C	297	ASN
1	31-C	311	PHE
1	31-C	312	ILE
1	31-C	313	ASN
1	31-C	327	GLU
1	31-C	337	ILE
1	31-C	355	ILE
1	31-C	370	GLU

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Mol	Chain	Res	Type
1	31-C	371	GLN
1	31-C	381	GLU
1	31-C	389	ILE
1	31-C	395	LEU
1	31-C	417	ASN
1	31-C	438	LEU
1	31-C	456	ILE
1	31-C	461	ILE
1	31-C	465	GLU
1	31-C	466	ILE
1	31-C	477	ILE
1	31-C	484	LEU
1	31-C	494	ILE
1	31-C	505	ILE
1	31-C	508	GLU
1	31-C	510	ILE
1	31-C	520	ILE
1	31-C	523	ILE
1	31-C	524	GLU
1	31-C	529	ILE
1	31-C	573	GLN
1	31-C	579	GLU
1	31-C	591	ILE
1	31-C	595	LEU
1	31-C	602	ILE
1	31-C	603	ASN
1	31-C	615	GLU
1	31-C	643	GLN
1	31-C	645	ILE
1	31-C	654	ASN
1	31-C	666	HIS
1	31-C	671	ILE
1	31-C	672	ILE
1	31-C	675	GLU
1	31-C	688	LEU
1	31-C	694	ASN
1	31-C	697	LEU
1	31-C	702	ILE
1	31-C	712	ILE
1	31-C	722	ILE
1	31-C	726	ASN
1	31-C	728	ILE

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Mol	Chain	Res	Type
1	31-C	742	ILE
1	31-C	771	GLU
1	31-C	772	GLU
1	31-C	781	ILE
1	31-C	789	ILE
1	31-C	792	TYR
1	31-C	793	LEU
1	31-C	794	ILE
1	31-C	806	ILE
1	31-C	811	ILE
1	31-C	814	ASN
1	31-C	815	ILE
2	31-Y	17	ILE
2	31-Y	27	ILE
2	31-Y	40	ILE
2	31-Y	43	ILE
2	31-Y	56	LEU
2	31-Y	75	ILE
2	31-Y	89	ILE
2	31-Y	100	GLU
2	31-Y	106	ILE
2	31-Y	109	ILE
2	31-Y	115	ASN
2	31-Y	119	ASN
2	31-Y	148	ILE
3	31-Z	8	ILE
3	31-Z	17	LEU
3	31-Z	42	ILE
3	31-Z	46	ASN
3	31-Z	75	LEU
3	31-Z	98	GLN
3	31-Z	100	PHE
3	31-Z	115	GLU
3	31-Z	117	LEU
3	31-Z	122	VAL
3	31-Z	125	ILE
3	31-Z	132	GLN
3	31-Z	138	ASN
1	32-C	10	PHE
1	32-C	12	TYR
1	32-C	24	GLN
1	32-C	41	GLU

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Mol	Chain	Res	Type
1	32-C	47	GLU
1	32-C	48	ILE
1	32-C	55	GLU
1	32-C	56	ILE
1	32-C	60	ILE
1	32-C	74	ILE
1	32-C	83	GLU
1	32-C	85	LEU
1	32-C	112	ILE
1	32-C	121	ILE
1	32-C	124	ASN
1	32-C	129	LEU
1	32-C	131	ILE
1	32-C	137	ILE
1	32-C	140	TYR
1	32-C	148	ILE
1	32-C	168	GLU
1	32-C	174	ILE
1	32-C	190	ILE
1	32-C	192	TYR
1	32-C	193	LEU
1	32-C	219	ILE
1	32-C	220	ILE
1	32-C	247	ILE
1	32-C	249	ILE
1	32-C	257	ILE
1	32-C	262	ILE
1	32-C	268	GLU
1	32-C	279	GLU
1	32-C	281	ASN
1	32-C	284	ILE
1	32-C	288	ILE
1	32-C	293	ILE
1	32-C	297	ASN
1	32-C	311	PHE
1	32-C	312	ILE
1	32-C	313	ASN
1	32-C	327	GLU
1	32-C	337	ILE
1	32-C	355	ILE
1	32-C	370	GLU
1	32-C	371	GLN

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Mol	Chain	Res	Type
1	32-C	381	GLU
1	32-C	389	ILE
1	32-C	395	LEU
1	32-C	417	ASN
1	32-C	438	LEU
1	32-C	456	ILE
1	32-C	461	ILE
1	32-C	465	GLU
1	32-C	466	ILE
1	32-C	477	ILE
1	32-C	484	LEU
1	32-C	494	ILE
1	32-C	505	ILE
1	32-C	508	GLU
1	32-C	510	ILE
1	32-C	520	ILE
1	32-C	523	ILE
1	32-C	524	GLU
1	32-C	529	ILE
1	32-C	573	GLN
1	32-C	579	GLU
1	32-C	591	ILE
1	32-C	595	LEU
1	32-C	602	ILE
1	32-C	603	ASN
1	32-C	615	GLU
1	32-C	643	GLN
1	32-C	645	ILE
1	32-C	654	ASN
1	32-C	666	HIS
1	32-C	671	ILE
1	32-C	672	ILE
1	32-C	675	GLU
1	32-C	688	LEU
1	32-C	694	ASN
1	32-C	697	LEU
1	32-C	702	ILE
1	32-C	712	ILE
1	32-C	722	ILE
1	32-C	726	ASN
1	32-C	728	ILE
1	32-C	742	ILE

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Mol	Chain	Res	Type
1	32-C	771	GLU
1	32-C	772	GLU
1	32-C	781	ILE
1	32-C	789	ILE
1	32-C	792	TYR
1	32-C	793	LEU
1	32-C	794	ILE
1	32-C	806	ILE
1	32-C	811	ILE
1	32-C	814	ASN
1	32-C	815	ILE
2	32-Y	17	ILE
2	32-Y	27	ILE
2	32-Y	40	ILE
2	32-Y	43	ILE
2	32-Y	56	LEU
2	32-Y	75	ILE
2	32-Y	89	ILE
2	32-Y	100	GLU
2	32-Y	106	ILE
2	32-Y	109	ILE
2	32-Y	115	ASN
2	32-Y	119	ASN
2	32-Y	148	ILE
3	32-Z	8	ILE
3	32-Z	17	LEU
3	32-Z	42	ILE
3	32-Z	46	ASN
3	32-Z	75	LEU
3	32-Z	98	GLN
3	32-Z	100	PHE
3	32-Z	115	GLU
3	32-Z	117	LEU
3	32-Z	122	VAL
3	32-Z	125	ILE
3	32-Z	132	GLN
3	32-Z	138	ASN
1	33-C	10	PHE
1	33-C	12	TYR
1	33-C	24	GLN
1	33-C	41	GLU
1	33-C	47	GLU

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Mol	Chain	Res	Type
1	33-C	48	ILE
1	33-C	55	GLU
1	33-C	56	ILE
1	33-C	60	ILE
1	33-C	74	ILE
1	33-C	83	GLU
1	33-C	85	LEU
1	33-C	112	ILE
1	33-C	121	ILE
1	33-C	124	ASN
1	33-C	129	LEU
1	33-C	131	ILE
1	33-C	137	ILE
1	33-C	140	TYR
1	33-C	148	ILE
1	33-C	168	GLU
1	33-C	174	ILE
1	33-C	190	ILE
1	33-C	192	TYR
1	33-C	193	LEU
1	33-C	219	ILE
1	33-C	220	ILE
1	33-C	247	ILE
1	33-C	249	ILE
1	33-C	257	ILE
1	33-C	262	ILE
1	33-C	268	GLU
1	33-C	279	GLU
1	33-C	281	ASN
1	33-C	284	ILE
1	33-C	288	ILE
1	33-C	293	ILE
1	33-C	297	ASN
1	33-C	311	PHE
1	33-C	312	ILE
1	33-C	313	ASN
1	33-C	327	GLU
1	33-C	337	ILE
1	33-C	355	ILE
1	33-C	370	GLU
1	33-C	371	GLN
1	33-C	381	GLU

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Mol	Chain	Res	Type
1	33-C	389	ILE
1	33-C	395	LEU
1	33-C	417	ASN
1	33-C	438	LEU
1	33-C	456	ILE
1	33-C	461	ILE
1	33-C	465	GLU
1	33-C	466	ILE
1	33-C	477	ILE
1	33-C	484	LEU
1	33-C	494	ILE
1	33-C	505	ILE
1	33-C	508	GLU
1	33-C	510	ILE
1	33-C	520	ILE
1	33-C	523	ILE
1	33-C	524	GLU
1	33-C	529	ILE
1	33-C	573	GLN
1	33-C	579	GLU
1	33-C	591	ILE
1	33-C	595	LEU
1	33-C	602	ILE
1	33-C	603	ASN
1	33-C	615	GLU
1	33-C	643	GLN
1	33-C	645	ILE
1	33-C	654	ASN
1	33-C	666	HIS
1	33-C	671	ILE
1	33-C	672	ILE
1	33-C	675	GLU
1	33-C	688	LEU
1	33-C	694	ASN
1	33-C	697	LEU
1	33-C	702	ILE
1	33-C	712	ILE
1	33-C	722	ILE
1	33-C	726	ASN
1	33-C	728	ILE
1	33-C	742	ILE
1	33-C	771	GLU

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Mol	Chain	Res	Type
1	33-C	772	GLU
1	33-C	781	ILE
1	33-C	789	ILE
1	33-C	792	TYR
1	33-C	793	LEU
1	33-C	794	ILE
1	33-C	806	ILE
1	33-C	811	ILE
1	33-C	814	ASN
1	33-C	815	ILE
2	33-Y	17	ILE
2	33-Y	27	ILE
2	33-Y	40	ILE
2	33-Y	43	ILE
2	33-Y	56	LEU
2	33-Y	75	ILE
2	33-Y	89	ILE
2	33-Y	100	GLU
2	33-Y	106	ILE
2	33-Y	109	ILE
2	33-Y	115	ASN
2	33-Y	119	ASN
2	33-Y	148	ILE
3	33-Z	8	ILE
3	33-Z	17	LEU
3	33-Z	42	ILE
3	33-Z	46	ASN
3	33-Z	75	LEU
3	33-Z	98	GLN
3	33-Z	100	PHE
3	33-Z	115	GLU
3	33-Z	117	LEU
3	33-Z	122	VAL
3	33-Z	125	ILE
3	33-Z	132	GLN
3	33-Z	138	ASN
1	34-C	10	PHE
1	34-C	12	TYR
1	34-C	24	GLN
1	34-C	41	GLU
1	34-C	47	GLU
1	34-C	48	ILE

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Mol	Chain	Res	Type
1	34-C	55	GLU
1	34-C	56	ILE
1	34-C	60	ILE
1	34-C	74	ILE
1	34-C	83	GLU
1	34-C	85	LEU
1	34-C	112	ILE
1	34-C	121	ILE
1	34-C	124	ASN
1	34-C	129	LEU
1	34-C	131	ILE
1	34-C	137	ILE
1	34-C	140	TYR
1	34-C	148	ILE
1	34-C	168	GLU
1	34-C	174	ILE
1	34-C	190	ILE
1	34-C	192	TYR
1	34-C	193	LEU
1	34-C	219	ILE
1	34-C	220	ILE
1	34-C	247	ILE
1	34-C	249	ILE
1	34-C	257	ILE
1	34-C	262	ILE
1	34-C	268	GLU
1	34-C	279	GLU
1	34-C	281	ASN
1	34-C	284	ILE
1	34-C	288	ILE
1	34-C	293	ILE
1	34-C	297	ASN
1	34-C	311	PHE
1	34-C	312	ILE
1	34-C	313	ASN
1	34-C	327	GLU
1	34-C	337	ILE
1	34-C	355	ILE
1	34-C	370	GLU
1	34-C	371	GLN
1	34-C	381	GLU
1	34-C	389	ILE

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Mol	Chain	Res	Type
1	34-C	395	LEU
1	34-C	417	ASN
1	34-C	438	LEU
1	34-C	456	ILE
1	34-C	461	ILE
1	34-C	465	GLU
1	34-C	466	ILE
1	34-C	477	ILE
1	34-C	484	LEU
1	34-C	494	ILE
1	34-C	505	ILE
1	34-C	508	GLU
1	34-C	510	ILE
1	34-C	520	ILE
1	34-C	523	ILE
1	34-C	524	GLU
1	34-C	529	ILE
1	34-C	573	GLN
1	34-C	579	GLU
1	34-C	591	ILE
1	34-C	595	LEU
1	34-C	602	ILE
1	34-C	603	ASN
1	34-C	615	GLU
1	34-C	643	GLN
1	34-C	645	ILE
1	34-C	654	ASN
1	34-C	666	HIS
1	34-C	671	ILE
1	34-C	672	ILE
1	34-C	675	GLU
1	34-C	688	LEU
1	34-C	694	ASN
1	34-C	697	LEU
1	34-C	702	ILE
1	34-C	712	ILE
1	34-C	722	ILE
1	34-C	726	ASN
1	34-C	728	ILE
1	34-C	742	ILE
1	34-C	771	GLU
1	34-C	772	GLU

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Mol	Chain	Res	Type
1	34-C	781	ILE
1	34-C	789	ILE
1	34-C	792	TYR
1	34-C	793	LEU
1	34-C	794	ILE
1	34-C	806	ILE
1	34-C	811	ILE
1	34-C	814	ASN
1	34-C	815	ILE
2	34-Y	17	ILE
2	34-Y	27	ILE
2	34-Y	40	ILE
2	34-Y	43	ILE
2	34-Y	56	LEU
2	34-Y	75	ILE
2	34-Y	89	ILE
2	34-Y	100	GLU
2	34-Y	106	ILE
2	34-Y	109	ILE
2	34-Y	115	ASN
2	34-Y	119	ASN
2	34-Y	148	ILE
3	34-Z	8	ILE
3	34-Z	17	LEU
3	34-Z	42	ILE
3	34-Z	46	ASN
3	34-Z	75	LEU
3	34-Z	98	GLN
3	34-Z	100	PHE
3	34-Z	115	GLU
3	34-Z	117	LEU
3	34-Z	122	VAL
3	34-Z	125	ILE
3	34-Z	132	GLN
3	34-Z	138	ASN
1	35-C	10	PHE
1	35-C	12	TYR
1	35-C	24	GLN
1	35-C	41	GLU
1	35-C	47	GLU
1	35-C	48	ILE
1	35-C	55	GLU

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Mol	Chain	Res	Type
1	35-C	56	ILE
1	35-C	60	ILE
1	35-C	74	ILE
1	35-C	83	GLU
1	35-C	85	LEU
1	35-C	112	ILE
1	35-C	121	ILE
1	35-C	124	ASN
1	35-C	129	LEU
1	35-C	131	ILE
1	35-C	137	ILE
1	35-C	140	TYR
1	35-C	148	ILE
1	35-C	168	GLU
1	35-C	174	ILE
1	35-C	190	ILE
1	35-C	192	TYR
1	35-C	193	LEU
1	35-C	219	ILE
1	35-C	220	ILE
1	35-C	247	ILE
1	35-C	249	ILE
1	35-C	257	ILE
1	35-C	262	ILE
1	35-C	268	GLU
1	35-C	279	GLU
1	35-C	281	ASN
1	35-C	284	ILE
1	35-C	288	ILE
1	35-C	293	ILE
1	35-C	297	ASN
1	35-C	311	PHE
1	35-C	312	ILE
1	35-C	313	ASN
1	35-C	327	GLU
1	35-C	337	ILE
1	35-C	355	ILE
1	35-C	370	GLU
1	35-C	371	GLN
1	35-C	381	GLU
1	35-C	389	ILE
1	35-C	395	LEU

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Mol	Chain	Res	Type
1	35-C	417	ASN
1	35-C	438	LEU
1	35-C	456	ILE
1	35-C	461	ILE
1	35-C	465	GLU
1	35-C	466	ILE
1	35-C	477	ILE
1	35-C	484	LEU
1	35-C	494	ILE
1	35-C	505	ILE
1	35-C	508	GLU
1	35-C	510	ILE
1	35-C	520	ILE
1	35-C	523	ILE
1	35-C	524	GLU
1	35-C	529	ILE
1	35-C	573	GLN
1	35-C	579	GLU
1	35-C	591	ILE
1	35-C	595	LEU
1	35-C	602	ILE
1	35-C	603	ASN
1	35-C	615	GLU
1	35-C	643	GLN
1	35-C	645	ILE
1	35-C	654	ASN
1	35-C	666	HIS
1	35-C	671	ILE
1	35-C	672	ILE
1	35-C	675	GLU
1	35-C	688	LEU
1	35-C	694	ASN
1	35-C	697	LEU
1	35-C	702	ILE
1	35-C	712	ILE
1	35-C	722	ILE
1	35-C	726	ASN
1	35-C	728	ILE
1	35-C	742	ILE
1	35-C	771	GLU
1	35-C	772	GLU
1	35-C	781	ILE

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Mol	Chain	Res	Type
1	35-C	789	ILE
1	35-C	792	TYR
1	35-C	793	LEU
1	35-C	794	ILE
1	35-C	806	ILE
1	35-C	811	ILE
1	35-C	814	ASN
1	35-C	815	ILE
2	35-Y	17	ILE
2	35-Y	27	ILE
2	35-Y	40	ILE
2	35-Y	43	ILE
2	35-Y	56	LEU
2	35-Y	75	ILE
2	35-Y	89	ILE
2	35-Y	100	GLU
2	35-Y	106	ILE
2	35-Y	109	ILE
2	35-Y	115	ASN
2	35-Y	119	ASN
2	35-Y	148	ILE
3	35-Z	8	ILE
3	35-Z	17	LEU
3	35-Z	42	ILE
3	35-Z	46	ASN
3	35-Z	75	LEU
3	35-Z	98	GLN
3	35-Z	100	PHE
3	35-Z	115	GLU
3	35-Z	117	LEU
3	35-Z	122	VAL
3	35-Z	125	ILE
3	35-Z	132	GLN
3	35-Z	138	ASN
1	36-C	10	PHE
1	36-C	12	TYR
1	36-C	24	GLN
1	36-C	41	GLU
1	36-C	47	GLU
1	36-C	48	ILE
1	36-C	55	GLU
1	36-C	56	ILE

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Mol	Chain	Res	Type
1	36-C	60	ILE
1	36-C	74	ILE
1	36-C	83	GLU
1	36-C	85	LEU
1	36-C	112	ILE
1	36-C	121	ILE
1	36-C	124	ASN
1	36-C	129	LEU
1	36-C	131	ILE
1	36-C	137	ILE
1	36-C	140	TYR
1	36-C	148	ILE
1	36-C	168	GLU
1	36-C	174	ILE
1	36-C	190	ILE
1	36-C	192	TYR
1	36-C	193	LEU
1	36-C	219	ILE
1	36-C	220	ILE
1	36-C	247	ILE
1	36-C	249	ILE
1	36-C	257	ILE
1	36-C	262	ILE
1	36-C	268	GLU
1	36-C	279	GLU
1	36-C	281	ASN
1	36-C	284	ILE
1	36-C	288	ILE
1	36-C	293	ILE
1	36-C	297	ASN
1	36-C	311	PHE
1	36-C	312	ILE
1	36-C	313	ASN
1	36-C	327	GLU
1	36-C	337	ILE
1	36-C	355	ILE
1	36-C	370	GLU
1	36-C	371	GLN
1	36-C	381	GLU
1	36-C	389	ILE
1	36-C	395	LEU
1	36-C	417	ASN

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Mol	Chain	Res	Type
1	36-C	438	LEU
1	36-C	456	ILE
1	36-C	461	ILE
1	36-C	465	GLU
1	36-C	466	ILE
1	36-C	477	ILE
1	36-C	484	LEU
1	36-C	494	ILE
1	36-C	505	ILE
1	36-C	508	GLU
1	36-C	510	ILE
1	36-C	520	ILE
1	36-C	523	ILE
1	36-C	524	GLU
1	36-C	529	ILE
1	36-C	573	GLN
1	36-C	579	GLU
1	36-C	591	ILE
1	36-C	595	LEU
1	36-C	602	ILE
1	36-C	603	ASN
1	36-C	615	GLU
1	36-C	643	GLN
1	36-C	645	ILE
1	36-C	654	ASN
1	36-C	666	HIS
1	36-C	671	ILE
1	36-C	672	ILE
1	36-C	675	GLU
1	36-C	688	LEU
1	36-C	694	ASN
1	36-C	697	LEU
1	36-C	702	ILE
1	36-C	712	ILE
1	36-C	722	ILE
1	36-C	726	ASN
1	36-C	728	ILE
1	36-C	742	ILE
1	36-C	771	GLU
1	36-C	772	GLU
1	36-C	781	ILE
1	36-C	789	ILE

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Mol	Chain	Res	Type
1	36-C	792	TYR
1	36-C	793	LEU
1	36-C	794	ILE
1	36-C	806	ILE
1	36-C	811	ILE
1	36-C	814	ASN
1	36-C	815	ILE
2	36-Y	17	ILE
2	36-Y	27	ILE
2	36-Y	40	ILE
2	36-Y	43	ILE
2	36-Y	56	LEU
2	36-Y	75	ILE
2	36-Y	89	ILE
2	36-Y	100	GLU
2	36-Y	106	ILE
2	36-Y	109	ILE
2	36-Y	115	ASN
2	36-Y	119	ASN
2	36-Y	148	ILE
3	36-Z	8	ILE
3	36-Z	17	LEU
3	36-Z	42	ILE
3	36-Z	46	ASN
3	36-Z	75	LEU
3	36-Z	98	GLN
3	36-Z	100	PHE
3	36-Z	115	GLU
3	36-Z	117	LEU
3	36-Z	122	VAL
3	36-Z	125	ILE
3	36-Z	132	GLN
3	36-Z	138	ASN
1	37-C	10	PHE
1	37-C	12	TYR
1	37-C	24	GLN
1	37-C	41	GLU
1	37-C	47	GLU
1	37-C	48	ILE
1	37-C	55	GLU
1	37-C	56	ILE
1	37-C	60	ILE

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Mol	Chain	Res	Type
1	37-C	74	ILE
1	37-C	83	GLU
1	37-C	85	LEU
1	37-C	112	ILE
1	37-C	121	ILE
1	37-C	124	ASN
1	37-C	129	LEU
1	37-C	131	ILE
1	37-C	137	ILE
1	37-C	140	TYR
1	37-C	148	ILE
1	37-C	168	GLU
1	37-C	174	ILE
1	37-C	190	ILE
1	37-C	192	TYR
1	37-C	193	LEU
1	37-C	219	ILE
1	37-C	220	ILE
1	37-C	247	ILE
1	37-C	249	ILE
1	37-C	257	ILE
1	37-C	262	ILE
1	37-C	268	GLU
1	37-C	279	GLU
1	37-C	281	ASN
1	37-C	284	ILE
1	37-C	288	ILE
1	37-C	293	ILE
1	37-C	297	ASN
1	37-C	311	PHE
1	37-C	312	ILE
1	37-C	313	ASN
1	37-C	327	GLU
1	37-C	337	ILE
1	37-C	355	ILE
1	37-C	370	GLU
1	37-C	371	GLN
1	37-C	381	GLU
1	37-C	389	ILE
1	37-C	395	LEU
1	37-C	417	ASN
1	37-C	438	LEU

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Mol	Chain	Res	Type
1	37-C	456	ILE
1	37-C	461	ILE
1	37-C	465	GLU
1	37-C	466	ILE
1	37-C	477	ILE
1	37-C	484	LEU
1	37-C	494	ILE
1	37-C	505	ILE
1	37-C	508	GLU
1	37-C	510	ILE
1	37-C	520	ILE
1	37-C	523	ILE
1	37-C	524	GLU
1	37-C	529	ILE
1	37-C	573	GLN
1	37-C	579	GLU
1	37-C	591	ILE
1	37-C	595	LEU
1	37-C	602	ILE
1	37-C	603	ASN
1	37-C	615	GLU
1	37-C	643	GLN
1	37-C	645	ILE
1	37-C	654	ASN
1	37-C	666	HIS
1	37-C	671	ILE
1	37-C	672	ILE
1	37-C	675	GLU
1	37-C	688	LEU
1	37-C	694	ASN
1	37-C	697	LEU
1	37-C	702	ILE
1	37-C	712	ILE
1	37-C	722	ILE
1	37-C	726	ASN
1	37-C	728	ILE
1	37-C	742	ILE
1	37-C	771	GLU
1	37-C	772	GLU
1	37-C	781	ILE
1	37-C	789	ILE
1	37-C	792	TYR

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Mol	Chain	Res	Type
1	37-C	793	LEU
1	37-C	794	ILE
1	37-C	806	ILE
1	37-C	811	ILE
1	37-C	814	ASN
1	37-C	815	ILE
2	37-Y	17	ILE
2	37-Y	27	ILE
2	37-Y	40	ILE
2	37-Y	43	ILE
2	37-Y	56	LEU
2	37-Y	75	ILE
2	37-Y	89	ILE
2	37-Y	100	GLU
2	37-Y	106	ILE
2	37-Y	109	ILE
2	37-Y	115	ASN
2	37-Y	119	ASN
2	37-Y	148	ILE
3	37-Z	8	ILE
3	37-Z	17	LEU
3	37-Z	42	ILE
3	37-Z	46	ASN
3	37-Z	75	LEU
3	37-Z	98	GLN
3	37-Z	100	PHE
3	37-Z	115	GLU
3	37-Z	117	LEU
3	37-Z	122	VAL
3	37-Z	125	ILE
3	37-Z	132	GLN
3	37-Z	138	ASN
1	38-C	10	PHE
1	38-C	12	TYR
1	38-C	24	GLN
1	38-C	41	GLU
1	38-C	47	GLU
1	38-C	48	ILE
1	38-C	55	GLU
1	38-C	56	ILE
1	38-C	60	ILE
1	38-C	74	ILE

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Mol	Chain	Res	Type
1	38-C	83	GLU
1	38-C	85	LEU
1	38-C	112	ILE
1	38-C	121	ILE
1	38-C	124	ASN
1	38-C	129	LEU
1	38-C	131	ILE
1	38-C	137	ILE
1	38-C	140	TYR
1	38-C	148	ILE
1	38-C	168	GLU
1	38-C	174	ILE
1	38-C	190	ILE
1	38-C	192	TYR
1	38-C	193	LEU
1	38-C	219	ILE
1	38-C	220	ILE
1	38-C	247	ILE
1	38-C	249	ILE
1	38-C	257	ILE
1	38-C	262	ILE
1	38-C	268	GLU
1	38-C	279	GLU
1	38-C	281	ASN
1	38-C	284	ILE
1	38-C	288	ILE
1	38-C	293	ILE
1	38-C	297	ASN
1	38-C	311	PHE
1	38-C	312	ILE
1	38-C	313	ASN
1	38-C	327	GLU
1	38-C	337	ILE
1	38-C	355	ILE
1	38-C	370	GLU
1	38-C	371	GLN
1	38-C	381	GLU
1	38-C	389	ILE
1	38-C	395	LEU
1	38-C	417	ASN
1	38-C	438	LEU
1	38-C	456	ILE

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Mol	Chain	Res	Type
1	38-C	461	ILE
1	38-C	465	GLU
1	38-C	466	ILE
1	38-C	477	ILE
1	38-C	484	LEU
1	38-C	494	ILE
1	38-C	505	ILE
1	38-C	508	GLU
1	38-C	510	ILE
1	38-C	520	ILE
1	38-C	523	ILE
1	38-C	524	GLU
1	38-C	529	ILE
1	38-C	573	GLN
1	38-C	579	GLU
1	38-C	591	ILE
1	38-C	595	LEU
1	38-C	602	ILE
1	38-C	603	ASN
1	38-C	615	GLU
1	38-C	643	GLN
1	38-C	645	ILE
1	38-C	654	ASN
1	38-C	666	HIS
1	38-C	671	ILE
1	38-C	672	ILE
1	38-C	675	GLU
1	38-C	688	LEU
1	38-C	694	ASN
1	38-C	697	LEU
1	38-C	702	ILE
1	38-C	712	ILE
1	38-C	722	ILE
1	38-C	726	ASN
1	38-C	728	ILE
1	38-C	742	ILE
1	38-C	771	GLU
1	38-C	772	GLU
1	38-C	781	ILE
1	38-C	789	ILE
1	38-C	792	TYR
1	38-C	793	LEU

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Mol	Chain	Res	Type
1	38-C	794	ILE
1	38-C	806	ILE
1	38-C	811	ILE
1	38-C	814	ASN
1	38-C	815	ILE
2	38-Y	17	ILE
2	38-Y	27	ILE
2	38-Y	40	ILE
2	38-Y	43	ILE
2	38-Y	56	LEU
2	38-Y	75	ILE
2	38-Y	89	ILE
2	38-Y	100	GLU
2	38-Y	106	ILE
2	38-Y	109	ILE
2	38-Y	115	ASN
2	38-Y	119	ASN
2	38-Y	148	ILE
3	38-Z	8	ILE
3	38-Z	17	LEU
3	38-Z	42	ILE
3	38-Z	46	ASN
3	38-Z	75	LEU
3	38-Z	98	GLN
3	38-Z	100	PHE
3	38-Z	115	GLU
3	38-Z	117	LEU
3	38-Z	122	VAL
3	38-Z	125	ILE
3	38-Z	132	GLN
3	38-Z	138	ASN
1	39-C	10	PHE
1	39-C	12	TYR
1	39-C	24	GLN
1	39-C	41	GLU
1	39-C	47	GLU
1	39-C	48	ILE
1	39-C	55	GLU
1	39-C	56	ILE
1	39-C	60	ILE
1	39-C	74	ILE
1	39-C	83	GLU

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Mol	Chain	Res	Type
1	39-C	85	LEU
1	39-C	112	ILE
1	39-C	121	ILE
1	39-C	124	ASN
1	39-C	129	LEU
1	39-C	131	ILE
1	39-C	137	ILE
1	39-C	140	TYR
1	39-C	148	ILE
1	39-C	168	GLU
1	39-C	174	ILE
1	39-C	190	ILE
1	39-C	192	TYR
1	39-C	193	LEU
1	39-C	219	ILE
1	39-C	220	ILE
1	39-C	247	ILE
1	39-C	249	ILE
1	39-C	257	ILE
1	39-C	262	ILE
1	39-C	268	GLU
1	39-C	279	GLU
1	39-C	281	ASN
1	39-C	284	ILE
1	39-C	288	ILE
1	39-C	293	ILE
1	39-C	297	ASN
1	39-C	311	PHE
1	39-C	312	ILE
1	39-C	313	ASN
1	39-C	327	GLU
1	39-C	337	ILE
1	39-C	355	ILE
1	39-C	370	GLU
1	39-C	371	GLN
1	39-C	381	GLU
1	39-C	389	ILE
1	39-C	395	LEU
1	39-C	417	ASN
1	39-C	438	LEU
1	39-C	456	ILE
1	39-C	461	ILE

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Mol	Chain	Res	Type
1	39-C	465	GLU
1	39-C	466	ILE
1	39-C	477	ILE
1	39-C	484	LEU
1	39-C	494	ILE
1	39-C	505	ILE
1	39-C	508	GLU
1	39-C	510	ILE
1	39-C	520	ILE
1	39-C	523	ILE
1	39-C	524	GLU
1	39-C	529	ILE
1	39-C	573	GLN
1	39-C	579	GLU
1	39-C	591	ILE
1	39-C	595	LEU
1	39-C	602	ILE
1	39-C	603	ASN
1	39-C	615	GLU
1	39-C	643	GLN
1	39-C	645	ILE
1	39-C	654	ASN
1	39-C	666	HIS
1	39-C	671	ILE
1	39-C	672	ILE
1	39-C	675	GLU
1	39-C	688	LEU
1	39-C	694	ASN
1	39-C	697	LEU
1	39-C	702	ILE
1	39-C	712	ILE
1	39-C	722	ILE
1	39-C	726	ASN
1	39-C	728	ILE
1	39-C	742	ILE
1	39-C	771	GLU
1	39-C	772	GLU
1	39-C	781	ILE
1	39-C	789	ILE
1	39-C	792	TYR
1	39-C	793	LEU
1	39-C	794	ILE

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Mol	Chain	Res	Type
1	39-C	806	ILE
1	39-C	811	ILE
1	39-C	814	ASN
1	39-C	815	ILE
2	39-Y	17	ILE
2	39-Y	27	ILE
2	39-Y	40	ILE
2	39-Y	43	ILE
2	39-Y	56	LEU
2	39-Y	75	ILE
2	39-Y	89	ILE
2	39-Y	100	GLU
2	39-Y	106	ILE
2	39-Y	109	ILE
2	39-Y	115	ASN
2	39-Y	119	ASN
2	39-Y	148	ILE
3	39-Z	8	ILE
3	39-Z	17	LEU
3	39-Z	42	ILE
3	39-Z	46	ASN
3	39-Z	75	LEU
3	39-Z	98	GLN
3	39-Z	100	PHE
3	39-Z	115	GLU
3	39-Z	117	LEU
3	39-Z	122	VAL
3	39-Z	125	ILE
3	39-Z	132	GLN
3	39-Z	138	ASN
1	40-C	10	PHE
1	40-C	12	TYR
1	40-C	24	GLN
1	40-C	41	GLU
1	40-C	47	GLU
1	40-C	48	ILE
1	40-C	55	GLU
1	40-C	56	ILE
1	40-C	60	ILE
1	40-C	74	ILE
1	40-C	83	GLU
1	40-C	85	LEU

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Mol	Chain	Res	Type
1	40-C	112	ILE
1	40-C	121	ILE
1	40-C	124	ASN
1	40-C	129	LEU
1	40-C	131	ILE
1	40-C	137	ILE
1	40-C	140	TYR
1	40-C	148	ILE
1	40-C	168	GLU
1	40-C	174	ILE
1	40-C	190	ILE
1	40-C	192	TYR
1	40-C	193	LEU
1	40-C	219	ILE
1	40-C	220	ILE
1	40-C	247	ILE
1	40-C	249	ILE
1	40-C	257	ILE
1	40-C	262	ILE
1	40-C	268	GLU
1	40-C	279	GLU
1	40-C	281	ASN
1	40-C	284	ILE
1	40-C	288	ILE
1	40-C	293	ILE
1	40-C	297	ASN
1	40-C	311	PHE
1	40-C	312	ILE
1	40-C	313	ASN
1	40-C	327	GLU
1	40-C	337	ILE
1	40-C	355	ILE
1	40-C	370	GLU
1	40-C	371	GLN
1	40-C	381	GLU
1	40-C	389	ILE
1	40-C	395	LEU
1	40-C	417	ASN
1	40-C	438	LEU
1	40-C	456	ILE
1	40-C	461	ILE
1	40-C	465	GLU

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Mol	Chain	Res	Type
1	40-C	466	ILE
1	40-C	477	ILE
1	40-C	484	LEU
1	40-C	494	ILE
1	40-C	505	ILE
1	40-C	508	GLU
1	40-C	510	ILE
1	40-C	520	ILE
1	40-C	523	ILE
1	40-C	524	GLU
1	40-C	529	ILE
1	40-C	573	GLN
1	40-C	579	GLU
1	40-C	591	ILE
1	40-C	595	LEU
1	40-C	602	ILE
1	40-C	603	ASN
1	40-C	615	GLU
1	40-C	643	GLN
1	40-C	645	ILE
1	40-C	654	ASN
1	40-C	666	HIS
1	40-C	671	ILE
1	40-C	672	ILE
1	40-C	675	GLU
1	40-C	688	LEU
1	40-C	694	ASN
1	40-C	697	LEU
1	40-C	702	ILE
1	40-C	712	ILE
1	40-C	722	ILE
1	40-C	726	ASN
1	40-C	728	ILE
1	40-C	742	ILE
1	40-C	771	GLU
1	40-C	772	GLU
1	40-C	781	ILE
1	40-C	789	ILE
1	40-C	792	TYR
1	40-C	793	LEU
1	40-C	794	ILE
1	40-C	806	ILE

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Mol	Chain	Res	Type
1	40-C	811	ILE
1	40-C	814	ASN
1	40-C	815	ILE
2	40-Y	17	ILE
2	40-Y	27	ILE
2	40-Y	40	ILE
2	40-Y	43	ILE
2	40-Y	56	LEU
2	40-Y	75	ILE
2	40-Y	89	ILE
2	40-Y	100	GLU
2	40-Y	106	ILE
2	40-Y	109	ILE
2	40-Y	115	ASN
2	40-Y	119	ASN
2	40-Y	148	ILE
3	40-Z	8	ILE
3	40-Z	17	LEU
3	40-Z	42	ILE
3	40-Z	46	ASN
3	40-Z	75	LEU
3	40-Z	98	GLN
3	40-Z	100	PHE
3	40-Z	115	GLU
3	40-Z	117	LEU
3	40-Z	122	VAL
3	40-Z	125	ILE
3	40-Z	132	GLN
3	40-Z	138	ASN
1	41-C	10	PHE
1	41-C	12	TYR
1	41-C	24	GLN
1	41-C	41	GLU
1	41-C	47	GLU
1	41-C	48	ILE
1	41-C	55	GLU
1	41-C	56	ILE
1	41-C	60	ILE
1	41-C	74	ILE
1	41-C	83	GLU
1	41-C	85	LEU
1	41-C	112	ILE

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Mol	Chain	Res	Type
1	41-C	121	ILE
1	41-C	124	ASN
1	41-C	129	LEU
1	41-C	131	ILE
1	41-C	137	ILE
1	41-C	140	TYR
1	41-C	148	ILE
1	41-C	168	GLU
1	41-C	174	ILE
1	41-C	190	ILE
1	41-C	192	TYR
1	41-C	193	LEU
1	41-C	219	ILE
1	41-C	220	ILE
1	41-C	247	ILE
1	41-C	249	ILE
1	41-C	257	ILE
1	41-C	262	ILE
1	41-C	268	GLU
1	41-C	279	GLU
1	41-C	281	ASN
1	41-C	284	ILE
1	41-C	288	ILE
1	41-C	293	ILE
1	41-C	297	ASN
1	41-C	311	PHE
1	41-C	312	ILE
1	41-C	313	ASN
1	41-C	327	GLU
1	41-C	337	ILE
1	41-C	355	ILE
1	41-C	370	GLU
1	41-C	371	GLN
1	41-C	381	GLU
1	41-C	389	ILE
1	41-C	395	LEU
1	41-C	417	ASN
1	41-C	438	LEU
1	41-C	456	ILE
1	41-C	461	ILE
1	41-C	465	GLU
1	41-C	466	ILE

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Mol	Chain	Res	Type
1	41-C	477	ILE
1	41-C	484	LEU
1	41-C	494	ILE
1	41-C	505	ILE
1	41-C	508	GLU
1	41-C	510	ILE
1	41-C	520	ILE
1	41-C	523	ILE
1	41-C	524	GLU
1	41-C	529	ILE
1	41-C	573	GLN
1	41-C	579	GLU
1	41-C	591	ILE
1	41-C	595	LEU
1	41-C	602	ILE
1	41-C	603	ASN
1	41-C	615	GLU
1	41-C	643	GLN
1	41-C	645	ILE
1	41-C	654	ASN
1	41-C	666	HIS
1	41-C	671	ILE
1	41-C	672	ILE
1	41-C	675	GLU
1	41-C	688	LEU
1	41-C	694	ASN
1	41-C	697	LEU
1	41-C	702	ILE
1	41-C	712	ILE
1	41-C	722	ILE
1	41-C	726	ASN
1	41-C	728	ILE
1	41-C	742	ILE
1	41-C	771	GLU
1	41-C	772	GLU
1	41-C	781	ILE
1	41-C	789	ILE
1	41-C	792	TYR
1	41-C	793	LEU
1	41-C	794	ILE
1	41-C	806	ILE
1	41-C	811	ILE

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Mol	Chain	Res	Type
1	41-C	814	ASN
1	41-C	815	ILE
2	41-Y	17	ILE
2	41-Y	27	ILE
2	41-Y	40	ILE
2	41-Y	43	ILE
2	41-Y	56	LEU
2	41-Y	75	ILE
2	41-Y	89	ILE
2	41-Y	100	GLU
2	41-Y	106	ILE
2	41-Y	109	ILE
2	41-Y	115	ASN
2	41-Y	119	ASN
2	41-Y	148	ILE
3	41-Z	8	ILE
3	41-Z	17	LEU
3	41-Z	42	ILE
3	41-Z	46	ASN
3	41-Z	75	LEU
3	41-Z	98	GLN
3	41-Z	100	PHE
3	41-Z	115	GLU
3	41-Z	117	LEU
3	41-Z	122	VAL
3	41-Z	125	ILE
3	41-Z	132	GLN
3	41-Z	138	ASN
1	42-C	10	PHE
1	42-C	12	TYR
1	42-C	24	GLN
1	42-C	41	GLU
1	42-C	47	GLU
1	42-C	48	ILE
1	42-C	55	GLU
1	42-C	56	ILE
1	42-C	60	ILE
1	42-C	74	ILE
1	42-C	83	GLU
1	42-C	85	LEU
1	42-C	112	ILE
1	42-C	121	ILE

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Mol	Chain	Res	Type
1	42-C	124	ASN
1	42-C	129	LEU
1	42-C	131	ILE
1	42-C	137	ILE
1	42-C	140	TYR
1	42-C	148	ILE
1	42-C	168	GLU
1	42-C	174	ILE
1	42-C	190	ILE
1	42-C	192	TYR
1	42-C	193	LEU
1	42-C	219	ILE
1	42-C	220	ILE
1	42-C	247	ILE
1	42-C	249	ILE
1	42-C	257	ILE
1	42-C	262	ILE
1	42-C	268	GLU
1	42-C	279	GLU
1	42-C	281	ASN
1	42-C	284	ILE
1	42-C	288	ILE
1	42-C	293	ILE
1	42-C	297	ASN
1	42-C	311	PHE
1	42-C	312	ILE
1	42-C	313	ASN
1	42-C	327	GLU
1	42-C	337	ILE
1	42-C	355	ILE
1	42-C	370	GLU
1	42-C	371	GLN
1	42-C	381	GLU
1	42-C	389	ILE
1	42-C	395	LEU
1	42-C	417	ASN
1	42-C	438	LEU
1	42-C	456	ILE
1	42-C	461	ILE
1	42-C	465	GLU
1	42-C	466	ILE
1	42-C	477	ILE

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Mol	Chain	Res	Type
1	42-C	484	LEU
1	42-C	494	ILE
1	42-C	505	ILE
1	42-C	508	GLU
1	42-C	510	ILE
1	42-C	520	ILE
1	42-C	523	ILE
1	42-C	524	GLU
1	42-C	529	ILE
1	42-C	573	GLN
1	42-C	579	GLU
1	42-C	591	ILE
1	42-C	595	LEU
1	42-C	602	ILE
1	42-C	603	ASN
1	42-C	615	GLU
1	42-C	643	GLN
1	42-C	645	ILE
1	42-C	654	ASN
1	42-C	666	HIS
1	42-C	671	ILE
1	42-C	672	ILE
1	42-C	675	GLU
1	42-C	688	LEU
1	42-C	694	ASN
1	42-C	697	LEU
1	42-C	702	ILE
1	42-C	712	ILE
1	42-C	722	ILE
1	42-C	726	ASN
1	42-C	728	ILE
1	42-C	742	ILE
1	42-C	771	GLU
1	42-C	772	GLU
1	42-C	781	ILE
1	42-C	789	ILE
1	42-C	792	TYR
1	42-C	793	LEU
1	42-C	794	ILE
1	42-C	806	ILE
1	42-C	811	ILE
1	42-C	814	ASN

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Mol	Chain	Res	Type
1	42-C	815	ILE
2	42-Y	17	ILE
2	42-Y	27	ILE
2	42-Y	40	ILE
2	42-Y	43	ILE
2	42-Y	56	LEU
2	42-Y	75	ILE
2	42-Y	89	ILE
2	42-Y	100	GLU
2	42-Y	106	ILE
2	42-Y	109	ILE
2	42-Y	115	ASN
2	42-Y	119	ASN
2	42-Y	148	ILE
3	42-Z	8	ILE
3	42-Z	17	LEU
3	42-Z	42	ILE
3	42-Z	46	ASN
3	42-Z	75	LEU
3	42-Z	98	GLN
3	42-Z	100	PHE
3	42-Z	115	GLU
3	42-Z	117	LEU
3	42-Z	122	VAL
3	42-Z	125	ILE
3	42-Z	132	GLN
3	42-Z	138	ASN
1	43-C	10	PHE
1	43-C	12	TYR
1	43-C	24	GLN
1	43-C	41	GLU
1	43-C	47	GLU
1	43-C	48	ILE
1	43-C	55	GLU
1	43-C	56	ILE
1	43-C	60	ILE
1	43-C	74	ILE
1	43-C	83	GLU
1	43-C	85	LEU
1	43-C	112	ILE
1	43-C	121	ILE
1	43-C	124	ASN

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Mol	Chain	Res	Type
1	43-C	129	LEU
1	43-C	131	ILE
1	43-C	137	ILE
1	43-C	140	TYR
1	43-C	148	ILE
1	43-C	168	GLU
1	43-C	174	ILE
1	43-C	190	ILE
1	43-C	192	TYR
1	43-C	193	LEU
1	43-C	219	ILE
1	43-C	220	ILE
1	43-C	247	ILE
1	43-C	249	ILE
1	43-C	257	ILE
1	43-C	262	ILE
1	43-C	268	GLU
1	43-C	279	GLU
1	43-C	281	ASN
1	43-C	284	ILE
1	43-C	288	ILE
1	43-C	293	ILE
1	43-C	297	ASN
1	43-C	311	PHE
1	43-C	312	ILE
1	43-C	313	ASN
1	43-C	327	GLU
1	43-C	337	ILE
1	43-C	355	ILE
1	43-C	370	GLU
1	43-C	371	GLN
1	43-C	381	GLU
1	43-C	389	ILE
1	43-C	395	LEU
1	43-C	417	ASN
1	43-C	438	LEU
1	43-C	456	ILE
1	43-C	461	ILE
1	43-C	465	GLU
1	43-C	466	ILE
1	43-C	477	ILE
1	43-C	484	LEU

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Mol	Chain	Res	Type
1	43-C	494	ILE
1	43-C	505	ILE
1	43-C	508	GLU
1	43-C	510	ILE
1	43-C	520	ILE
1	43-C	523	ILE
1	43-C	524	GLU
1	43-C	529	ILE
1	43-C	573	GLN
1	43-C	579	GLU
1	43-C	591	ILE
1	43-C	595	LEU
1	43-C	602	ILE
1	43-C	603	ASN
1	43-C	615	GLU
1	43-C	643	GLN
1	43-C	645	ILE
1	43-C	654	ASN
1	43-C	666	HIS
1	43-C	671	ILE
1	43-C	672	ILE
1	43-C	675	GLU
1	43-C	688	LEU
1	43-C	694	ASN
1	43-C	697	LEU
1	43-C	702	ILE
1	43-C	712	ILE
1	43-C	722	ILE
1	43-C	726	ASN
1	43-C	728	ILE
1	43-C	742	ILE
1	43-C	771	GLU
1	43-C	772	GLU
1	43-C	781	ILE
1	43-C	789	ILE
1	43-C	792	TYR
1	43-C	793	LEU
1	43-C	794	ILE
1	43-C	806	ILE
1	43-C	811	ILE
1	43-C	814	ASN
1	43-C	815	ILE

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Mol	Chain	Res	Type
2	43-Y	17	ILE
2	43-Y	27	ILE
2	43-Y	40	ILE
2	43-Y	43	ILE
2	43-Y	56	LEU
2	43-Y	75	ILE
2	43-Y	89	ILE
2	43-Y	100	GLU
2	43-Y	106	ILE
2	43-Y	109	ILE
2	43-Y	115	ASN
2	43-Y	119	ASN
2	43-Y	148	ILE
3	43-Z	8	ILE
3	43-Z	17	LEU
3	43-Z	42	ILE
3	43-Z	46	ASN
3	43-Z	75	LEU
3	43-Z	98	GLN
3	43-Z	100	PHE
3	43-Z	115	GLU
3	43-Z	117	LEU
3	43-Z	122	VAL
3	43-Z	125	ILE
3	43-Z	132	GLN
3	43-Z	138	ASN

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. All (2050) such sidechains are listed below:

Mol	Chain	Res	Type
1	1-C	33	ASN
1	1-C	90	ASN
1	1-C	95	ASN
1	1-C	124	ASN
1	1-C	151	HIS
1	1-C	158	ASN
1	1-C	162	ASN
1	1-C	170	GLN
1	1-C	223	ASN
1	1-C	237	ASN
1	1-C	239	ASN
1	1-C	283	HIS

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Mol	Chain	Res	Type
1	1-C	291	ASN
1	1-C	297	ASN
1	1-C	313	ASN
1	1-C	321	ASN
1	1-C	357	HIS
1	1-C	371	GLN
1	1-C	417	ASN
1	1-C	436	ASN
1	1-C	443	ASN
1	1-C	478	ASN
1	1-C	489	ASN
1	1-C	490	HIS
1	1-C	491	HIS
1	1-C	555	HIS
1	1-C	559	ASN
1	1-C	572	ASN
1	1-C	586	ASN
1	1-C	643	GLN
1	1-C	654	ASN
1	1-C	659	ASN
1	1-C	689	HIS
1	1-C	726	ASN
1	1-C	788	HIS
2	1-Y	68	ASN
2	1-Y	91	ASN
2	1-Y	115	ASN
2	1-Y	119	ASN
2	1-Y	121	ASN
3	1-Z	43	ASN
3	1-Z	46	ASN
3	1-Z	56	HIS
3	1-Z	98	GLN
3	1-Z	108	HIS
3	1-Z	138	ASN
1	2-C	33	ASN
1	2-C	90	ASN
1	2-C	95	ASN
1	2-C	124	ASN
1	2-C	151	HIS
1	2-C	158	ASN
1	2-C	162	ASN
1	2-C	170	GLN

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Mol	Chain	Res	Type
1	2-C	223	ASN
1	2-C	237	ASN
1	2-C	239	ASN
1	2-C	283	HIS
1	2-C	291	ASN
1	2-C	297	ASN
1	2-C	313	ASN
1	2-C	321	ASN
1	2-C	357	HIS
1	2-C	371	GLN
1	2-C	417	ASN
1	2-C	421	ASN
1	2-C	436	ASN
1	2-C	443	ASN
1	2-C	478	ASN
1	2-C	489	ASN
1	2-C	490	HIS
1	2-C	491	HIS
1	2-C	555	HIS
1	2-C	559	ASN
1	2-C	572	ASN
1	2-C	586	ASN
1	2-C	643	GLN
1	2-C	654	ASN
1	2-C	659	ASN
1	2-C	689	HIS
1	2-C	726	ASN
1	2-C	788	HIS
2	2-Y	68	ASN
2	2-Y	91	ASN
2	2-Y	115	ASN
2	2-Y	119	ASN
2	2-Y	121	ASN
3	2-Z	43	ASN
3	2-Z	46	ASN
3	2-Z	56	HIS
3	2-Z	98	GLN
3	2-Z	108	HIS
3	2-Z	138	ASN
1	3-C	33	ASN
1	3-C	90	ASN
1	3-C	95	ASN

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Mol	Chain	Res	Type
1	3-C	124	ASN
1	3-C	151	HIS
1	3-C	158	ASN
1	3-C	161	GLN
1	3-C	162	ASN
1	3-C	170	GLN
1	3-C	223	ASN
1	3-C	237	ASN
1	3-C	239	ASN
1	3-C	283	HIS
1	3-C	291	ASN
1	3-C	297	ASN
1	3-C	313	ASN
1	3-C	321	ASN
1	3-C	357	HIS
1	3-C	371	GLN
1	3-C	417	ASN
1	3-C	421	ASN
1	3-C	436	ASN
1	3-C	443	ASN
1	3-C	478	ASN
1	3-C	489	ASN
1	3-C	490	HIS
1	3-C	491	HIS
1	3-C	554	ASN
1	3-C	555	HIS
1	3-C	559	ASN
1	3-C	572	ASN
1	3-C	586	ASN
1	3-C	643	GLN
1	3-C	654	ASN
1	3-C	659	ASN
1	3-C	689	HIS
1	3-C	726	ASN
1	3-C	788	HIS
1	3-C	823	ASN
2	3-Y	68	ASN
2	3-Y	91	ASN
2	3-Y	115	ASN
2	3-Y	119	ASN
2	3-Y	121	ASN
3	3-Z	43	ASN

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Mol	Chain	Res	Type
3	3-Z	46	ASN
3	3-Z	56	HIS
3	3-Z	98	GLN
3	3-Z	108	HIS
3	3-Z	138	ASN
1	4-C	33	ASN
1	4-C	90	ASN
1	4-C	95	ASN
1	4-C	124	ASN
1	4-C	158	ASN
1	4-C	162	ASN
1	4-C	170	GLN
1	4-C	223	ASN
1	4-C	237	ASN
1	4-C	239	ASN
1	4-C	283	HIS
1	4-C	291	ASN
1	4-C	297	ASN
1	4-C	313	ASN
1	4-C	321	ASN
1	4-C	357	HIS
1	4-C	371	GLN
1	4-C	417	ASN
1	4-C	421	ASN
1	4-C	436	ASN
1	4-C	443	ASN
1	4-C	478	ASN
1	4-C	489	ASN
1	4-C	490	HIS
1	4-C	491	HIS
1	4-C	555	HIS
1	4-C	559	ASN
1	4-C	572	ASN
1	4-C	586	ASN
1	4-C	643	GLN
1	4-C	654	ASN
1	4-C	659	ASN
1	4-C	689	HIS
1	4-C	726	ASN
1	4-C	788	HIS
1	4-C	823	ASN
2	4-Y	68	ASN

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Mol	Chain	Res	Type
2	4-Y	91	ASN
2	4-Y	115	ASN
2	4-Y	119	ASN
2	4-Y	121	ASN
3	4-Z	43	ASN
3	4-Z	46	ASN
3	4-Z	56	HIS
3	4-Z	98	GLN
3	4-Z	108	HIS
3	4-Z	138	ASN
1	5-C	33	ASN
1	5-C	90	ASN
1	5-C	95	ASN
1	5-C	124	ASN
1	5-C	151	HIS
1	5-C	158	ASN
1	5-C	162	ASN
1	5-C	170	GLN
1	5-C	223	ASN
1	5-C	237	ASN
1	5-C	239	ASN
1	5-C	283	HIS
1	5-C	291	ASN
1	5-C	297	ASN
1	5-C	313	ASN
1	5-C	321	ASN
1	5-C	357	HIS
1	5-C	371	GLN
1	5-C	417	ASN
1	5-C	421	ASN
1	5-C	436	ASN
1	5-C	443	ASN
1	5-C	478	ASN
1	5-C	489	ASN
1	5-C	490	HIS
1	5-C	491	HIS
1	5-C	554	ASN
1	5-C	555	HIS
1	5-C	559	ASN
1	5-C	572	ASN
1	5-C	586	ASN
1	5-C	643	GLN

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Mol	Chain	Res	Type
1	5-C	654	ASN
1	5-C	659	ASN
1	5-C	689	HIS
1	5-C	726	ASN
1	5-C	788	HIS
2	5-Y	68	ASN
2	5-Y	91	ASN
2	5-Y	115	ASN
2	5-Y	119	ASN
2	5-Y	121	ASN
3	5-Z	43	ASN
3	5-Z	46	ASN
3	5-Z	56	HIS
3	5-Z	98	GLN
3	5-Z	108	HIS
3	5-Z	138	ASN
1	6-C	33	ASN
1	6-C	90	ASN
1	6-C	95	ASN
1	6-C	124	ASN
1	6-C	158	ASN
1	6-C	162	ASN
1	6-C	170	GLN
1	6-C	223	ASN
1	6-C	237	ASN
1	6-C	239	ASN
1	6-C	283	HIS
1	6-C	291	ASN
1	6-C	297	ASN
1	6-C	313	ASN
1	6-C	321	ASN
1	6-C	357	HIS
1	6-C	371	GLN
1	6-C	417	ASN
1	6-C	421	ASN
1	6-C	436	ASN
1	6-C	443	ASN
1	6-C	478	ASN
1	6-C	489	ASN
1	6-C	490	HIS
1	6-C	491	HIS
1	6-C	554	ASN

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Mol	Chain	Res	Type
1	6-C	555	HIS
1	6-C	559	ASN
1	6-C	572	ASN
1	6-C	586	ASN
1	6-C	643	GLN
1	6-C	654	ASN
1	6-C	659	ASN
1	6-C	689	HIS
1	6-C	726	ASN
1	6-C	788	HIS
2	6-Y	68	ASN
2	6-Y	91	ASN
2	6-Y	115	ASN
2	6-Y	119	ASN
2	6-Y	121	ASN
3	6-Z	43	ASN
3	6-Z	46	ASN
3	6-Z	56	HIS
3	6-Z	98	GLN
3	6-Z	108	HIS
3	6-Z	138	ASN
1	7-C	33	ASN
1	7-C	90	ASN
1	7-C	95	ASN
1	7-C	124	ASN
1	7-C	151	HIS
1	7-C	158	ASN
1	7-C	170	GLN
1	7-C	223	ASN
1	7-C	237	ASN
1	7-C	239	ASN
1	7-C	283	HIS
1	7-C	291	ASN
1	7-C	297	ASN
1	7-C	313	ASN
1	7-C	321	ASN
1	7-C	357	HIS
1	7-C	371	GLN
1	7-C	417	ASN
1	7-C	436	ASN
1	7-C	443	ASN
1	7-C	478	ASN

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Mol	Chain	Res	Type
1	7-C	489	ASN
1	7-C	490	HIS
1	7-C	491	HIS
1	7-C	555	HIS
1	7-C	559	ASN
1	7-C	572	ASN
1	7-C	586	ASN
1	7-C	643	GLN
1	7-C	654	ASN
1	7-C	659	ASN
1	7-C	689	HIS
1	7-C	726	ASN
1	7-C	788	HIS
1	7-C	823	ASN
2	7-Y	68	ASN
2	7-Y	91	ASN
2	7-Y	115	ASN
2	7-Y	121	ASN
3	7-Z	43	ASN
3	7-Z	46	ASN
3	7-Z	56	HIS
3	7-Z	98	GLN
3	7-Z	108	HIS
3	7-Z	138	ASN
1	8-C	33	ASN
1	8-C	90	ASN
1	8-C	95	ASN
1	8-C	124	ASN
1	8-C	151	HIS
1	8-C	158	ASN
1	8-C	162	ASN
1	8-C	170	GLN
1	8-C	223	ASN
1	8-C	237	ASN
1	8-C	239	ASN
1	8-C	283	HIS
1	8-C	291	ASN
1	8-C	297	ASN
1	8-C	313	ASN
1	8-C	321	ASN
1	8-C	357	HIS
1	8-C	371	GLN

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Mol	Chain	Res	Type
1	8-C	417	ASN
1	8-C	421	ASN
1	8-C	436	ASN
1	8-C	443	ASN
1	8-C	478	ASN
1	8-C	489	ASN
1	8-C	491	HIS
1	8-C	554	ASN
1	8-C	555	HIS
1	8-C	559	ASN
1	8-C	572	ASN
1	8-C	586	ASN
1	8-C	643	GLN
1	8-C	654	ASN
1	8-C	659	ASN
1	8-C	689	HIS
1	8-C	726	ASN
1	8-C	788	HIS
1	8-C	823	ASN
2	8-Y	68	ASN
2	8-Y	91	ASN
2	8-Y	115	ASN
2	8-Y	119	ASN
2	8-Y	121	ASN
3	8-Z	43	ASN
3	8-Z	46	ASN
3	8-Z	56	HIS
3	8-Z	98	GLN
3	8-Z	108	HIS
3	8-Z	138	ASN
1	9-C	33	ASN
1	9-C	90	ASN
1	9-C	95	ASN
1	9-C	124	ASN
1	9-C	151	HIS
1	9-C	158	ASN
1	9-C	162	ASN
1	9-C	170	GLN
1	9-C	223	ASN
1	9-C	237	ASN
1	9-C	239	ASN
1	9-C	283	HIS

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Mol	Chain	Res	Type
1	9-C	291	ASN
1	9-C	297	ASN
1	9-C	313	ASN
1	9-C	321	ASN
1	9-C	357	HIS
1	9-C	371	GLN
1	9-C	417	ASN
1	9-C	421	ASN
1	9-C	436	ASN
1	9-C	443	ASN
1	9-C	478	ASN
1	9-C	489	ASN
1	9-C	490	HIS
1	9-C	491	HIS
1	9-C	554	ASN
1	9-C	555	HIS
1	9-C	559	ASN
1	9-C	572	ASN
1	9-C	586	ASN
1	9-C	643	GLN
1	9-C	654	ASN
1	9-C	659	ASN
1	9-C	689	HIS
1	9-C	726	ASN
1	9-C	788	HIS
1	9-C	804	GLN
1	9-C	823	ASN
2	9-Y	68	ASN
2	9-Y	91	ASN
2	9-Y	105	ASN
2	9-Y	115	ASN
2	9-Y	119	ASN
2	9-Y	121	ASN
3	9-Z	43	ASN
3	9-Z	46	ASN
3	9-Z	56	HIS
3	9-Z	98	GLN
3	9-Z	108	HIS
3	9-Z	138	ASN
1	10-C	33	ASN
1	10-C	90	ASN
1	10-C	95	ASN

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Mol	Chain	Res	Type
1	10-C	124	ASN
1	10-C	158	ASN
1	10-C	162	ASN
1	10-C	170	GLN
1	10-C	223	ASN
1	10-C	237	ASN
1	10-C	239	ASN
1	10-C	283	HIS
1	10-C	291	ASN
1	10-C	297	ASN
1	10-C	313	ASN
1	10-C	321	ASN
1	10-C	357	HIS
1	10-C	371	GLN
1	10-C	417	ASN
1	10-C	421	ASN
1	10-C	436	ASN
1	10-C	443	ASN
1	10-C	478	ASN
1	10-C	489	ASN
1	10-C	490	HIS
1	10-C	491	HIS
1	10-C	554	ASN
1	10-C	555	HIS
1	10-C	559	ASN
1	10-C	572	ASN
1	10-C	586	ASN
1	10-C	643	GLN
1	10-C	654	ASN
1	10-C	659	ASN
1	10-C	689	HIS
1	10-C	726	ASN
1	10-C	788	HIS
1	10-C	823	ASN
2	10-Y	68	ASN
2	10-Y	91	ASN
2	10-Y	115	ASN
2	10-Y	119	ASN
2	10-Y	121	ASN
3	10-Z	43	ASN
3	10-Z	46	ASN
3	10-Z	56	HIS

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Mol	Chain	Res	Type
3	10-Z	98	GLN
3	10-Z	108	HIS
3	10-Z	138	ASN
1	11-C	33	ASN
1	11-C	90	ASN
1	11-C	95	ASN
1	11-C	124	ASN
1	11-C	151	HIS
1	11-C	158	ASN
1	11-C	162	ASN
1	11-C	170	GLN
1	11-C	223	ASN
1	11-C	237	ASN
1	11-C	239	ASN
1	11-C	283	HIS
1	11-C	291	ASN
1	11-C	297	ASN
1	11-C	313	ASN
1	11-C	321	ASN
1	11-C	357	HIS
1	11-C	371	GLN
1	11-C	417	ASN
1	11-C	436	ASN
1	11-C	443	ASN
1	11-C	478	ASN
1	11-C	489	ASN
1	11-C	490	HIS
1	11-C	491	HIS
1	11-C	555	HIS
1	11-C	559	ASN
1	11-C	572	ASN
1	11-C	586	ASN
1	11-C	643	GLN
1	11-C	654	ASN
1	11-C	659	ASN
1	11-C	689	HIS
1	11-C	726	ASN
1	11-C	788	HIS
1	11-C	823	ASN
2	11-Y	68	ASN
2	11-Y	91	ASN
2	11-Y	115	ASN

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Mol	Chain	Res	Type
2	11-Y	119	ASN
2	11-Y	121	ASN
3	11-Z	43	ASN
3	11-Z	46	ASN
3	11-Z	56	HIS
3	11-Z	98	GLN
3	11-Z	108	HIS
3	11-Z	138	ASN
1	12-C	33	ASN
1	12-C	90	ASN
1	12-C	95	ASN
1	12-C	124	ASN
1	12-C	158	ASN
1	12-C	162	ASN
1	12-C	170	GLN
1	12-C	223	ASN
1	12-C	237	ASN
1	12-C	239	ASN
1	12-C	283	HIS
1	12-C	291	ASN
1	12-C	297	ASN
1	12-C	313	ASN
1	12-C	321	ASN
1	12-C	357	HIS
1	12-C	371	GLN
1	12-C	417	ASN
1	12-C	421	ASN
1	12-C	436	ASN
1	12-C	443	ASN
1	12-C	478	ASN
1	12-C	489	ASN
1	12-C	490	HIS
1	12-C	491	HIS
1	12-C	554	ASN
1	12-C	555	HIS
1	12-C	559	ASN
1	12-C	572	ASN
1	12-C	586	ASN
1	12-C	643	GLN
1	12-C	654	ASN
1	12-C	659	ASN
1	12-C	689	HIS

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Mol	Chain	Res	Type
1	12-C	726	ASN
1	12-C	788	HIS
1	12-C	823	ASN
2	12-Y	68	ASN
2	12-Y	91	ASN
2	12-Y	115	ASN
2	12-Y	119	ASN
2	12-Y	121	ASN
3	12-Z	43	ASN
3	12-Z	46	ASN
3	12-Z	56	HIS
3	12-Z	98	GLN
3	12-Z	108	HIS
3	12-Z	138	ASN
1	13-C	33	ASN
1	13-C	95	ASN
1	13-C	124	ASN
1	13-C	151	HIS
1	13-C	158	ASN
1	13-C	162	ASN
1	13-C	170	GLN
1	13-C	223	ASN
1	13-C	237	ASN
1	13-C	239	ASN
1	13-C	283	HIS
1	13-C	291	ASN
1	13-C	297	ASN
1	13-C	313	ASN
1	13-C	321	ASN
1	13-C	357	HIS
1	13-C	371	GLN
1	13-C	417	ASN
1	13-C	421	ASN
1	13-C	436	ASN
1	13-C	443	ASN
1	13-C	478	ASN
1	13-C	489	ASN
1	13-C	490	HIS
1	13-C	491	HIS
1	13-C	555	HIS
1	13-C	559	ASN
1	13-C	572	ASN

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Mol	Chain	Res	Type
1	13-C	586	ASN
1	13-C	643	GLN
1	13-C	654	ASN
1	13-C	659	ASN
1	13-C	689	HIS
1	13-C	726	ASN
1	13-C	788	HIS
1	13-C	823	ASN
2	13-Y	68	ASN
2	13-Y	91	ASN
2	13-Y	115	ASN
2	13-Y	119	ASN
2	13-Y	121	ASN
3	13-Z	43	ASN
3	13-Z	46	ASN
3	13-Z	56	HIS
3	13-Z	98	GLN
3	13-Z	108	HIS
3	13-Z	138	ASN
1	14-C	33	ASN
1	14-C	90	ASN
1	14-C	95	ASN
1	14-C	124	ASN
1	14-C	151	HIS
1	14-C	158	ASN
1	14-C	162	ASN
1	14-C	170	GLN
1	14-C	223	ASN
1	14-C	237	ASN
1	14-C	239	ASN
1	14-C	283	HIS
1	14-C	291	ASN
1	14-C	297	ASN
1	14-C	313	ASN
1	14-C	321	ASN
1	14-C	357	HIS
1	14-C	371	GLN
1	14-C	417	ASN
1	14-C	436	ASN
1	14-C	443	ASN
1	14-C	478	ASN
1	14-C	489	ASN

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Mol	Chain	Res	Type
1	14-C	490	HIS
1	14-C	491	HIS
1	14-C	555	HIS
1	14-C	559	ASN
1	14-C	572	ASN
1	14-C	586	ASN
1	14-C	643	GLN
1	14-C	654	ASN
1	14-C	659	ASN
1	14-C	689	HIS
1	14-C	726	ASN
1	14-C	788	HIS
2	14-Y	68	ASN
2	14-Y	91	ASN
2	14-Y	115	ASN
2	14-Y	119	ASN
2	14-Y	121	ASN
3	14-Z	43	ASN
3	14-Z	46	ASN
3	14-Z	56	HIS
3	14-Z	98	GLN
3	14-Z	108	HIS
3	14-Z	138	ASN
1	15-C	33	ASN
1	15-C	90	ASN
1	15-C	95	ASN
1	15-C	124	ASN
1	15-C	151	HIS
1	15-C	158	ASN
1	15-C	162	ASN
1	15-C	170	GLN
1	15-C	223	ASN
1	15-C	237	ASN
1	15-C	239	ASN
1	15-C	283	HIS
1	15-C	291	ASN
1	15-C	297	ASN
1	15-C	313	ASN
1	15-C	321	ASN
1	15-C	357	HIS
1	15-C	371	GLN
1	15-C	417	ASN

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Mol	Chain	Res	Type
1	15-C	421	ASN
1	15-C	436	ASN
1	15-C	443	ASN
1	15-C	478	ASN
1	15-C	489	ASN
1	15-C	490	HIS
1	15-C	491	HIS
1	15-C	554	ASN
1	15-C	555	HIS
1	15-C	559	ASN
1	15-C	572	ASN
1	15-C	586	ASN
1	15-C	643	GLN
1	15-C	654	ASN
1	15-C	659	ASN
1	15-C	689	HIS
1	15-C	726	ASN
1	15-C	788	HIS
1	15-C	823	ASN
2	15-Y	68	ASN
2	15-Y	91	ASN
2	15-Y	115	ASN
2	15-Y	119	ASN
2	15-Y	121	ASN
3	15-Z	43	ASN
3	15-Z	46	ASN
3	15-Z	56	HIS
3	15-Z	98	GLN
3	15-Z	108	HIS
3	15-Z	138	ASN
1	16-C	33	ASN
1	16-C	90	ASN
1	16-C	95	ASN
1	16-C	124	ASN
1	16-C	151	HIS
1	16-C	158	ASN
1	16-C	162	ASN
1	16-C	170	GLN
1	16-C	223	ASN
1	16-C	237	ASN
1	16-C	239	ASN
1	16-C	283	HIS

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Mol	Chain	Res	Type
1	16-C	291	ASN
1	16-C	297	ASN
1	16-C	313	ASN
1	16-C	321	ASN
1	16-C	357	HIS
1	16-C	371	GLN
1	16-C	417	ASN
1	16-C	421	ASN
1	16-C	436	ASN
1	16-C	443	ASN
1	16-C	478	ASN
1	16-C	489	ASN
1	16-C	490	HIS
1	16-C	491	HIS
1	16-C	555	HIS
1	16-C	559	ASN
1	16-C	572	ASN
1	16-C	586	ASN
1	16-C	643	GLN
1	16-C	654	ASN
1	16-C	659	ASN
1	16-C	689	HIS
1	16-C	726	ASN
1	16-C	788	HIS
2	16-Y	68	ASN
2	16-Y	91	ASN
2	16-Y	115	ASN
2	16-Y	119	ASN
2	16-Y	121	ASN
3	16-Z	43	ASN
3	16-Z	46	ASN
3	16-Z	56	HIS
3	16-Z	98	GLN
3	16-Z	108	HIS
3	16-Z	138	ASN
1	17-C	33	ASN
1	17-C	90	ASN
1	17-C	95	ASN
1	17-C	124	ASN
1	17-C	151	HIS
1	17-C	158	ASN
1	17-C	162	ASN

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Mol	Chain	Res	Type
1	17-C	170	GLN
1	17-C	223	ASN
1	17-C	237	ASN
1	17-C	239	ASN
1	17-C	283	HIS
1	17-C	291	ASN
1	17-C	297	ASN
1	17-C	313	ASN
1	17-C	321	ASN
1	17-C	357	HIS
1	17-C	371	GLN
1	17-C	417	ASN
1	17-C	436	ASN
1	17-C	443	ASN
1	17-C	478	ASN
1	17-C	489	ASN
1	17-C	490	HIS
1	17-C	491	HIS
1	17-C	555	HIS
1	17-C	559	ASN
1	17-C	572	ASN
1	17-C	586	ASN
1	17-C	643	GLN
1	17-C	654	ASN
1	17-C	659	ASN
1	17-C	689	HIS
1	17-C	726	ASN
1	17-C	788	HIS
2	17-Y	68	ASN
2	17-Y	91	ASN
2	17-Y	115	ASN
2	17-Y	119	ASN
2	17-Y	121	ASN
3	17-Z	43	ASN
3	17-Z	46	ASN
3	17-Z	56	HIS
3	17-Z	98	GLN
3	17-Z	108	HIS
3	17-Z	138	ASN
1	18-C	33	ASN
1	18-C	90	ASN
1	18-C	95	ASN

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Mol	Chain	Res	Type
1	18-C	124	ASN
1	18-C	151	HIS
1	18-C	158	ASN
1	18-C	162	ASN
1	18-C	170	GLN
1	18-C	223	ASN
1	18-C	237	ASN
1	18-C	239	ASN
1	18-C	283	HIS
1	18-C	291	ASN
1	18-C	297	ASN
1	18-C	313	ASN
1	18-C	321	ASN
1	18-C	357	HIS
1	18-C	371	GLN
1	18-C	417	ASN
1	18-C	421	ASN
1	18-C	436	ASN
1	18-C	443	ASN
1	18-C	478	ASN
1	18-C	489	ASN
1	18-C	490	HIS
1	18-C	491	HIS
1	18-C	554	ASN
1	18-C	555	HIS
1	18-C	559	ASN
1	18-C	572	ASN
1	18-C	586	ASN
1	18-C	643	GLN
1	18-C	654	ASN
1	18-C	659	ASN
1	18-C	689	HIS
1	18-C	726	ASN
1	18-C	788	HIS
1	18-C	804	GLN
1	18-C	823	ASN
2	18-Y	68	ASN
2	18-Y	91	ASN
2	18-Y	115	ASN
2	18-Y	119	ASN
2	18-Y	121	ASN
3	18-Z	43	ASN

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Mol	Chain	Res	Type
3	18-Z	46	ASN
3	18-Z	56	HIS
3	18-Z	98	GLN
3	18-Z	108	HIS
3	18-Z	138	ASN
1	19-C	33	ASN
1	19-C	90	ASN
1	19-C	95	ASN
1	19-C	124	ASN
1	19-C	151	HIS
1	19-C	158	ASN
1	19-C	162	ASN
1	19-C	170	GLN
1	19-C	223	ASN
1	19-C	237	ASN
1	19-C	239	ASN
1	19-C	283	HIS
1	19-C	291	ASN
1	19-C	297	ASN
1	19-C	313	ASN
1	19-C	321	ASN
1	19-C	357	HIS
1	19-C	371	GLN
1	19-C	417	ASN
1	19-C	436	ASN
1	19-C	443	ASN
1	19-C	478	ASN
1	19-C	489	ASN
1	19-C	490	HIS
1	19-C	491	HIS
1	19-C	555	HIS
1	19-C	559	ASN
1	19-C	572	ASN
1	19-C	586	ASN
1	19-C	643	GLN
1	19-C	654	ASN
1	19-C	659	ASN
1	19-C	689	HIS
1	19-C	726	ASN
1	19-C	788	HIS
1	19-C	802	GLN
1	19-C	804	GLN

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Mol	Chain	Res	Type
2	19-Y	68	ASN
2	19-Y	91	ASN
2	19-Y	115	ASN
2	19-Y	119	ASN
2	19-Y	121	ASN
3	19-Z	43	ASN
3	19-Z	46	ASN
3	19-Z	56	HIS
3	19-Z	98	GLN
3	19-Z	108	HIS
3	19-Z	138	ASN
1	20-C	33	ASN
1	20-C	90	ASN
1	20-C	95	ASN
1	20-C	124	ASN
1	20-C	151	HIS
1	20-C	158	ASN
1	20-C	162	ASN
1	20-C	170	GLN
1	20-C	223	ASN
1	20-C	237	ASN
1	20-C	239	ASN
1	20-C	283	HIS
1	20-C	291	ASN
1	20-C	297	ASN
1	20-C	313	ASN
1	20-C	321	ASN
1	20-C	357	HIS
1	20-C	371	GLN
1	20-C	417	ASN
1	20-C	436	ASN
1	20-C	443	ASN
1	20-C	478	ASN
1	20-C	489	ASN
1	20-C	490	HIS
1	20-C	491	HIS
1	20-C	555	HIS
1	20-C	559	ASN
1	20-C	572	ASN
1	20-C	586	ASN
1	20-C	643	GLN
1	20-C	654	ASN

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Mol	Chain	Res	Type
1	20-C	659	ASN
1	20-C	689	HIS
1	20-C	726	ASN
1	20-C	788	HIS
1	20-C	823	ASN
2	20-Y	68	ASN
2	20-Y	91	ASN
2	20-Y	115	ASN
2	20-Y	119	ASN
2	20-Y	121	ASN
3	20-Z	43	ASN
3	20-Z	46	ASN
3	20-Z	56	HIS
3	20-Z	98	GLN
3	20-Z	108	HIS
3	20-Z	138	ASN
1	21-C	33	ASN
1	21-C	90	ASN
1	21-C	95	ASN
1	21-C	124	ASN
1	21-C	151	HIS
1	21-C	158	ASN
1	21-C	162	ASN
1	21-C	170	GLN
1	21-C	223	ASN
1	21-C	237	ASN
1	21-C	239	ASN
1	21-C	283	HIS
1	21-C	291	ASN
1	21-C	297	ASN
1	21-C	313	ASN
1	21-C	321	ASN
1	21-C	357	HIS
1	21-C	371	GLN
1	21-C	417	ASN
1	21-C	421	ASN
1	21-C	436	ASN
1	21-C	443	ASN
1	21-C	478	ASN
1	21-C	489	ASN
1	21-C	490	HIS
1	21-C	491	HIS

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Mol	Chain	Res	Type
1	21-C	554	ASN
1	21-C	555	HIS
1	21-C	559	ASN
1	21-C	572	ASN
1	21-C	586	ASN
1	21-C	643	GLN
1	21-C	654	ASN
1	21-C	659	ASN
1	21-C	689	HIS
1	21-C	726	ASN
1	21-C	788	HIS
2	21-Y	68	ASN
2	21-Y	91	ASN
2	21-Y	115	ASN
2	21-Y	119	ASN
2	21-Y	121	ASN
3	21-Z	43	ASN
3	21-Z	46	ASN
3	21-Z	56	HIS
3	21-Z	98	GLN
3	21-Z	108	HIS
3	21-Z	138	ASN
1	22-C	33	ASN
1	22-C	90	ASN
1	22-C	95	ASN
1	22-C	124	ASN
1	22-C	151	HIS
1	22-C	158	ASN
1	22-C	161	GLN
1	22-C	162	ASN
1	22-C	170	GLN
1	22-C	223	ASN
1	22-C	237	ASN
1	22-C	239	ASN
1	22-C	283	HIS
1	22-C	291	ASN
1	22-C	297	ASN
1	22-C	313	ASN
1	22-C	321	ASN
1	22-C	357	HIS
1	22-C	371	GLN
1	22-C	417	ASN

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Mol	Chain	Res	Type
1	22-C	421	ASN
1	22-C	436	ASN
1	22-C	443	ASN
1	22-C	478	ASN
1	22-C	489	ASN
1	22-C	490	HIS
1	22-C	491	HIS
1	22-C	555	HIS
1	22-C	559	ASN
1	22-C	572	ASN
1	22-C	586	ASN
1	22-C	643	GLN
1	22-C	654	ASN
1	22-C	659	ASN
1	22-C	689	HIS
1	22-C	726	ASN
1	22-C	788	HIS
2	22-Y	68	ASN
2	22-Y	91	ASN
2	22-Y	115	ASN
2	22-Y	119	ASN
2	22-Y	121	ASN
3	22-Z	43	ASN
3	22-Z	46	ASN
3	22-Z	56	HIS
3	22-Z	98	GLN
3	22-Z	108	HIS
3	22-Z	138	ASN
1	23-C	33	ASN
1	23-C	90	ASN
1	23-C	95	ASN
1	23-C	124	ASN
1	23-C	151	HIS
1	23-C	158	ASN
1	23-C	162	ASN
1	23-C	170	GLN
1	23-C	223	ASN
1	23-C	237	ASN
1	23-C	239	ASN
1	23-C	283	HIS
1	23-C	291	ASN
1	23-C	297	ASN

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Mol	Chain	Res	Type
1	23-C	313	ASN
1	23-C	321	ASN
1	23-C	357	HIS
1	23-C	371	GLN
1	23-C	417	ASN
1	23-C	421	ASN
1	23-C	436	ASN
1	23-C	443	ASN
1	23-C	478	ASN
1	23-C	489	ASN
1	23-C	490	HIS
1	23-C	491	HIS
1	23-C	555	HIS
1	23-C	559	ASN
1	23-C	572	ASN
1	23-C	586	ASN
1	23-C	643	GLN
1	23-C	654	ASN
1	23-C	659	ASN
1	23-C	689	HIS
1	23-C	726	ASN
1	23-C	788	HIS
1	23-C	823	ASN
2	23-Y	68	ASN
2	23-Y	91	ASN
2	23-Y	99	GLN
2	23-Y	115	ASN
2	23-Y	119	ASN
2	23-Y	121	ASN
3	23-Z	43	ASN
3	23-Z	46	ASN
3	23-Z	56	HIS
3	23-Z	98	GLN
3	23-Z	108	HIS
3	23-Z	138	ASN
1	24-C	33	ASN
1	24-C	90	ASN
1	24-C	95	ASN
1	24-C	124	ASN
1	24-C	151	HIS
1	24-C	158	ASN
1	24-C	162	ASN

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Mol	Chain	Res	Type
1	24-C	170	GLN
1	24-C	223	ASN
1	24-C	237	ASN
1	24-C	239	ASN
1	24-C	283	HIS
1	24-C	291	ASN
1	24-C	297	ASN
1	24-C	313	ASN
1	24-C	321	ASN
1	24-C	357	HIS
1	24-C	371	GLN
1	24-C	417	ASN
1	24-C	421	ASN
1	24-C	436	ASN
1	24-C	443	ASN
1	24-C	478	ASN
1	24-C	489	ASN
1	24-C	490	HIS
1	24-C	491	HIS
1	24-C	555	HIS
1	24-C	559	ASN
1	24-C	572	ASN
1	24-C	586	ASN
1	24-C	643	GLN
1	24-C	654	ASN
1	24-C	659	ASN
1	24-C	689	HIS
1	24-C	726	ASN
1	24-C	788	HIS
1	24-C	823	ASN
2	24-Y	68	ASN
2	24-Y	91	ASN
2	24-Y	115	ASN
2	24-Y	119	ASN
2	24-Y	121	ASN
3	24-Z	43	ASN
3	24-Z	46	ASN
3	24-Z	56	HIS
3	24-Z	98	GLN
3	24-Z	108	HIS
3	24-Z	138	ASN
1	25-C	33	ASN

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Mol	Chain	Res	Type
1	25-C	90	ASN
1	25-C	95	ASN
1	25-C	124	ASN
1	25-C	151	HIS
1	25-C	158	ASN
1	25-C	162	ASN
1	25-C	170	GLN
1	25-C	223	ASN
1	25-C	237	ASN
1	25-C	239	ASN
1	25-C	283	HIS
1	25-C	291	ASN
1	25-C	297	ASN
1	25-C	313	ASN
1	25-C	321	ASN
1	25-C	357	HIS
1	25-C	371	GLN
1	25-C	417	ASN
1	25-C	421	ASN
1	25-C	436	ASN
1	25-C	443	ASN
1	25-C	478	ASN
1	25-C	489	ASN
1	25-C	490	HIS
1	25-C	491	HIS
1	25-C	555	HIS
1	25-C	559	ASN
1	25-C	572	ASN
1	25-C	586	ASN
1	25-C	643	GLN
1	25-C	654	ASN
1	25-C	659	ASN
1	25-C	689	HIS
1	25-C	726	ASN
1	25-C	788	HIS
1	25-C	823	ASN
2	25-Y	68	ASN
2	25-Y	91	ASN
2	25-Y	115	ASN
2	25-Y	119	ASN
2	25-Y	121	ASN
3	25-Z	43	ASN

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Mol	Chain	Res	Type
3	25-Z	46	ASN
3	25-Z	56	HIS
3	25-Z	98	GLN
3	25-Z	108	HIS
3	25-Z	138	ASN
1	26-C	33	ASN
1	26-C	90	ASN
1	26-C	95	ASN
1	26-C	124	ASN
1	26-C	151	HIS
1	26-C	158	ASN
1	26-C	162	ASN
1	26-C	170	GLN
1	26-C	223	ASN
1	26-C	237	ASN
1	26-C	239	ASN
1	26-C	283	HIS
1	26-C	291	ASN
1	26-C	297	ASN
1	26-C	313	ASN
1	26-C	321	ASN
1	26-C	357	HIS
1	26-C	371	GLN
1	26-C	417	ASN
1	26-C	421	ASN
1	26-C	443	ASN
1	26-C	478	ASN
1	26-C	489	ASN
1	26-C	490	HIS
1	26-C	491	HIS
1	26-C	555	HIS
1	26-C	559	ASN
1	26-C	572	ASN
1	26-C	586	ASN
1	26-C	643	GLN
1	26-C	654	ASN
1	26-C	659	ASN
1	26-C	689	HIS
1	26-C	726	ASN
1	26-C	788	HIS
1	26-C	804	GLN
2	26-Y	68	ASN

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Mol	Chain	Res	Type
2	26-Y	91	ASN
2	26-Y	115	ASN
2	26-Y	119	ASN
2	26-Y	121	ASN
3	26-Z	43	ASN
3	26-Z	46	ASN
3	26-Z	56	HIS
3	26-Z	98	GLN
3	26-Z	108	HIS
3	26-Z	138	ASN
1	27-C	33	ASN
1	27-C	90	ASN
1	27-C	95	ASN
1	27-C	124	ASN
1	27-C	151	HIS
1	27-C	158	ASN
1	27-C	162	ASN
1	27-C	170	GLN
1	27-C	223	ASN
1	27-C	237	ASN
1	27-C	239	ASN
1	27-C	283	HIS
1	27-C	291	ASN
1	27-C	297	ASN
1	27-C	313	ASN
1	27-C	321	ASN
1	27-C	357	HIS
1	27-C	371	GLN
1	27-C	417	ASN
1	27-C	421	ASN
1	27-C	436	ASN
1	27-C	443	ASN
1	27-C	478	ASN
1	27-C	489	ASN
1	27-C	490	HIS
1	27-C	491	HIS
1	27-C	555	HIS
1	27-C	559	ASN
1	27-C	572	ASN
1	27-C	586	ASN
1	27-C	643	GLN
1	27-C	654	ASN

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Mol	Chain	Res	Type
1	27-C	659	ASN
1	27-C	689	HIS
1	27-C	726	ASN
1	27-C	788	HIS
1	27-C	823	ASN
2	27-Y	68	ASN
2	27-Y	91	ASN
2	27-Y	115	ASN
2	27-Y	119	ASN
2	27-Y	121	ASN
3	27-Z	43	ASN
3	27-Z	46	ASN
3	27-Z	56	HIS
3	27-Z	98	GLN
3	27-Z	108	HIS
3	27-Z	138	ASN
1	28-C	33	ASN
1	28-C	90	ASN
1	28-C	95	ASN
1	28-C	124	ASN
1	28-C	151	HIS
1	28-C	158	ASN
1	28-C	162	ASN
1	28-C	170	GLN
1	28-C	223	ASN
1	28-C	237	ASN
1	28-C	239	ASN
1	28-C	283	HIS
1	28-C	291	ASN
1	28-C	297	ASN
1	28-C	313	ASN
1	28-C	321	ASN
1	28-C	357	HIS
1	28-C	371	GLN
1	28-C	417	ASN
1	28-C	421	ASN
1	28-C	436	ASN
1	28-C	443	ASN
1	28-C	478	ASN
1	28-C	489	ASN
1	28-C	490	HIS
1	28-C	491	HIS

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Mol	Chain	Res	Type
1	28-C	554	ASN
1	28-C	555	HIS
1	28-C	559	ASN
1	28-C	572	ASN
1	28-C	586	ASN
1	28-C	643	GLN
1	28-C	654	ASN
1	28-C	659	ASN
1	28-C	689	HIS
1	28-C	726	ASN
1	28-C	788	HIS
1	28-C	823	ASN
2	28-Y	68	ASN
2	28-Y	91	ASN
2	28-Y	115	ASN
2	28-Y	119	ASN
2	28-Y	121	ASN
3	28-Z	43	ASN
3	28-Z	46	ASN
3	28-Z	56	HIS
3	28-Z	98	GLN
3	28-Z	108	HIS
3	28-Z	138	ASN
1	29-C	33	ASN
1	29-C	90	ASN
1	29-C	95	ASN
1	29-C	124	ASN
1	29-C	151	HIS
1	29-C	158	ASN
1	29-C	162	ASN
1	29-C	170	GLN
1	29-C	223	ASN
1	29-C	237	ASN
1	29-C	239	ASN
1	29-C	283	HIS
1	29-C	291	ASN
1	29-C	297	ASN
1	29-C	313	ASN
1	29-C	321	ASN
1	29-C	357	HIS
1	29-C	371	GLN
1	29-C	417	ASN

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Mol	Chain	Res	Type
1	29-C	421	ASN
1	29-C	436	ASN
1	29-C	443	ASN
1	29-C	478	ASN
1	29-C	489	ASN
1	29-C	490	HIS
1	29-C	491	HIS
1	29-C	554	ASN
1	29-C	555	HIS
1	29-C	559	ASN
1	29-C	572	ASN
1	29-C	586	ASN
1	29-C	643	GLN
1	29-C	654	ASN
1	29-C	659	ASN
1	29-C	689	HIS
1	29-C	726	ASN
1	29-C	788	HIS
1	29-C	823	ASN
2	29-Y	68	ASN
2	29-Y	91	ASN
2	29-Y	115	ASN
2	29-Y	119	ASN
2	29-Y	121	ASN
3	29-Z	43	ASN
3	29-Z	46	ASN
3	29-Z	56	HIS
3	29-Z	98	GLN
3	29-Z	108	HIS
3	29-Z	138	ASN
1	30-C	33	ASN
1	30-C	90	ASN
1	30-C	95	ASN
1	30-C	124	ASN
1	30-C	151	HIS
1	30-C	158	ASN
1	30-C	162	ASN
1	30-C	170	GLN
1	30-C	223	ASN
1	30-C	237	ASN
1	30-C	239	ASN
1	30-C	283	HIS

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Mol	Chain	Res	Type
1	30-C	291	ASN
1	30-C	297	ASN
1	30-C	313	ASN
1	30-C	321	ASN
1	30-C	357	HIS
1	30-C	371	GLN
1	30-C	417	ASN
1	30-C	421	ASN
1	30-C	436	ASN
1	30-C	443	ASN
1	30-C	478	ASN
1	30-C	489	ASN
1	30-C	490	HIS
1	30-C	491	HIS
1	30-C	555	HIS
1	30-C	559	ASN
1	30-C	572	ASN
1	30-C	586	ASN
1	30-C	643	GLN
1	30-C	654	ASN
1	30-C	659	ASN
1	30-C	689	HIS
1	30-C	726	ASN
1	30-C	788	HIS
1	30-C	823	ASN
2	30-Y	68	ASN
2	30-Y	91	ASN
2	30-Y	115	ASN
2	30-Y	119	ASN
2	30-Y	121	ASN
3	30-Z	43	ASN
3	30-Z	46	ASN
3	30-Z	56	HIS
3	30-Z	98	GLN
3	30-Z	108	HIS
3	30-Z	138	ASN
1	31-C	33	ASN
1	31-C	90	ASN
1	31-C	95	ASN
1	31-C	124	ASN
1	31-C	151	HIS
1	31-C	158	ASN

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Mol	Chain	Res	Type
1	31-C	170	GLN
1	31-C	223	ASN
1	31-C	237	ASN
1	31-C	239	ASN
1	31-C	283	HIS
1	31-C	291	ASN
1	31-C	297	ASN
1	31-C	313	ASN
1	31-C	321	ASN
1	31-C	357	HIS
1	31-C	371	GLN
1	31-C	417	ASN
1	31-C	421	ASN
1	31-C	436	ASN
1	31-C	443	ASN
1	31-C	478	ASN
1	31-C	489	ASN
1	31-C	490	HIS
1	31-C	491	HIS
1	31-C	554	ASN
1	31-C	555	HIS
1	31-C	559	ASN
1	31-C	572	ASN
1	31-C	586	ASN
1	31-C	643	GLN
1	31-C	654	ASN
1	31-C	659	ASN
1	31-C	689	HIS
1	31-C	726	ASN
1	31-C	788	HIS
2	31-Y	68	ASN
2	31-Y	91	ASN
2	31-Y	115	ASN
2	31-Y	119	ASN
2	31-Y	121	ASN
3	31-Z	43	ASN
3	31-Z	46	ASN
3	31-Z	56	HIS
3	31-Z	98	GLN
3	31-Z	138	ASN
1	32-C	33	ASN
1	32-C	90	ASN

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Mol	Chain	Res	Type
1	32-C	95	ASN
1	32-C	124	ASN
1	32-C	151	HIS
1	32-C	158	ASN
1	32-C	162	ASN
1	32-C	170	GLN
1	32-C	223	ASN
1	32-C	237	ASN
1	32-C	239	ASN
1	32-C	283	HIS
1	32-C	291	ASN
1	32-C	297	ASN
1	32-C	313	ASN
1	32-C	321	ASN
1	32-C	357	HIS
1	32-C	371	GLN
1	32-C	417	ASN
1	32-C	421	ASN
1	32-C	436	ASN
1	32-C	443	ASN
1	32-C	478	ASN
1	32-C	489	ASN
1	32-C	490	HIS
1	32-C	491	HIS
1	32-C	555	HIS
1	32-C	559	ASN
1	32-C	572	ASN
1	32-C	586	ASN
1	32-C	643	GLN
1	32-C	654	ASN
1	32-C	659	ASN
1	32-C	689	HIS
1	32-C	726	ASN
1	32-C	788	HIS
1	32-C	823	ASN
2	32-Y	68	ASN
2	32-Y	91	ASN
2	32-Y	115	ASN
2	32-Y	119	ASN
2	32-Y	121	ASN
3	32-Z	43	ASN
3	32-Z	46	ASN

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Mol	Chain	Res	Type
3	32-Z	56	HIS
3	32-Z	98	GLN
3	32-Z	108	HIS
3	32-Z	138	ASN
1	33-C	33	ASN
1	33-C	90	ASN
1	33-C	95	ASN
1	33-C	124	ASN
1	33-C	151	HIS
1	33-C	158	ASN
1	33-C	162	ASN
1	33-C	170	GLN
1	33-C	223	ASN
1	33-C	237	ASN
1	33-C	239	ASN
1	33-C	283	HIS
1	33-C	291	ASN
1	33-C	297	ASN
1	33-C	313	ASN
1	33-C	321	ASN
1	33-C	357	HIS
1	33-C	371	GLN
1	33-C	417	ASN
1	33-C	421	ASN
1	33-C	436	ASN
1	33-C	443	ASN
1	33-C	478	ASN
1	33-C	489	ASN
1	33-C	490	HIS
1	33-C	491	HIS
1	33-C	555	HIS
1	33-C	559	ASN
1	33-C	572	ASN
1	33-C	586	ASN
1	33-C	643	GLN
1	33-C	654	ASN
1	33-C	659	ASN
1	33-C	689	HIS
1	33-C	726	ASN
1	33-C	788	HIS
2	33-Y	68	ASN
2	33-Y	91	ASN

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Mol	Chain	Res	Type
2	33-Y	115	ASN
2	33-Y	119	ASN
2	33-Y	121	ASN
3	33-Z	43	ASN
3	33-Z	46	ASN
3	33-Z	56	HIS
3	33-Z	98	GLN
3	33-Z	108	HIS
3	33-Z	138	ASN
1	34-C	33	ASN
1	34-C	90	ASN
1	34-C	95	ASN
1	34-C	124	ASN
1	34-C	151	HIS
1	34-C	158	ASN
1	34-C	162	ASN
1	34-C	170	GLN
1	34-C	223	ASN
1	34-C	237	ASN
1	34-C	239	ASN
1	34-C	283	HIS
1	34-C	291	ASN
1	34-C	297	ASN
1	34-C	313	ASN
1	34-C	321	ASN
1	34-C	357	HIS
1	34-C	371	GLN
1	34-C	417	ASN
1	34-C	421	ASN
1	34-C	436	ASN
1	34-C	443	ASN
1	34-C	478	ASN
1	34-C	489	ASN
1	34-C	490	HIS
1	34-C	491	HIS
1	34-C	555	HIS
1	34-C	559	ASN
1	34-C	572	ASN
1	34-C	586	ASN
1	34-C	643	GLN
1	34-C	654	ASN
1	34-C	659	ASN

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Mol	Chain	Res	Type
1	34-C	689	HIS
1	34-C	726	ASN
1	34-C	788	HIS
1	34-C	823	ASN
2	34-Y	68	ASN
2	34-Y	91	ASN
2	34-Y	115	ASN
2	34-Y	119	ASN
2	34-Y	121	ASN
3	34-Z	43	ASN
3	34-Z	46	ASN
3	34-Z	56	HIS
3	34-Z	98	GLN
3	34-Z	108	HIS
3	34-Z	138	ASN
1	35-C	33	ASN
1	35-C	90	ASN
1	35-C	95	ASN
1	35-C	124	ASN
1	35-C	151	HIS
1	35-C	158	ASN
1	35-C	162	ASN
1	35-C	170	GLN
1	35-C	223	ASN
1	35-C	237	ASN
1	35-C	239	ASN
1	35-C	283	HIS
1	35-C	291	ASN
1	35-C	297	ASN
1	35-C	313	ASN
1	35-C	321	ASN
1	35-C	357	HIS
1	35-C	371	GLN
1	35-C	417	ASN
1	35-C	421	ASN
1	35-C	436	ASN
1	35-C	443	ASN
1	35-C	478	ASN
1	35-C	489	ASN
1	35-C	490	HIS
1	35-C	491	HIS
1	35-C	554	ASN

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Mol	Chain	Res	Type
1	35-C	555	HIS
1	35-C	559	ASN
1	35-C	572	ASN
1	35-C	586	ASN
1	35-C	643	GLN
1	35-C	654	ASN
1	35-C	659	ASN
1	35-C	689	HIS
1	35-C	726	ASN
1	35-C	788	HIS
2	35-Y	68	ASN
2	35-Y	91	ASN
2	35-Y	115	ASN
2	35-Y	119	ASN
2	35-Y	121	ASN
3	35-Z	43	ASN
3	35-Z	46	ASN
3	35-Z	56	HIS
3	35-Z	98	GLN
3	35-Z	108	HIS
3	35-Z	138	ASN
1	36-C	33	ASN
1	36-C	90	ASN
1	36-C	95	ASN
1	36-C	124	ASN
1	36-C	151	HIS
1	36-C	158	ASN
1	36-C	162	ASN
1	36-C	170	GLN
1	36-C	223	ASN
1	36-C	237	ASN
1	36-C	239	ASN
1	36-C	283	HIS
1	36-C	291	ASN
1	36-C	297	ASN
1	36-C	313	ASN
1	36-C	321	ASN
1	36-C	357	HIS
1	36-C	371	GLN
1	36-C	417	ASN
1	36-C	421	ASN
1	36-C	436	ASN

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Mol	Chain	Res	Type
1	36-C	443	ASN
1	36-C	478	ASN
1	36-C	489	ASN
1	36-C	490	HIS
1	36-C	491	HIS
1	36-C	555	HIS
1	36-C	559	ASN
1	36-C	572	ASN
1	36-C	586	ASN
1	36-C	643	GLN
1	36-C	654	ASN
1	36-C	659	ASN
1	36-C	689	HIS
1	36-C	726	ASN
1	36-C	788	HIS
1	36-C	823	ASN
2	36-Y	68	ASN
2	36-Y	91	ASN
2	36-Y	115	ASN
2	36-Y	119	ASN
2	36-Y	121	ASN
3	36-Z	43	ASN
3	36-Z	46	ASN
3	36-Z	56	HIS
3	36-Z	98	GLN
3	36-Z	108	HIS
3	36-Z	138	ASN
1	37-C	33	ASN
1	37-C	90	ASN
1	37-C	95	ASN
1	37-C	124	ASN
1	37-C	158	ASN
1	37-C	162	ASN
1	37-C	170	GLN
1	37-C	223	ASN
1	37-C	237	ASN
1	37-C	239	ASN
1	37-C	283	HIS
1	37-C	291	ASN
1	37-C	297	ASN
1	37-C	313	ASN
1	37-C	321	ASN

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Mol	Chain	Res	Type
1	37-C	357	HIS
1	37-C	371	GLN
1	37-C	417	ASN
1	37-C	421	ASN
1	37-C	436	ASN
1	37-C	443	ASN
1	37-C	478	ASN
1	37-C	489	ASN
1	37-C	490	HIS
1	37-C	491	HIS
1	37-C	554	ASN
1	37-C	555	HIS
1	37-C	559	ASN
1	37-C	572	ASN
1	37-C	586	ASN
1	37-C	643	GLN
1	37-C	654	ASN
1	37-C	659	ASN
1	37-C	689	HIS
1	37-C	726	ASN
1	37-C	788	HIS
2	37-Y	68	ASN
2	37-Y	91	ASN
2	37-Y	115	ASN
2	37-Y	119	ASN
2	37-Y	121	ASN
3	37-Z	43	ASN
3	37-Z	46	ASN
3	37-Z	56	HIS
3	37-Z	98	GLN
3	37-Z	108	HIS
3	37-Z	138	ASN
1	38-C	33	ASN
1	38-C	90	ASN
1	38-C	95	ASN
1	38-C	124	ASN
1	38-C	151	HIS
1	38-C	158	ASN
1	38-C	162	ASN
1	38-C	170	GLN
1	38-C	223	ASN
1	38-C	237	ASN

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Mol	Chain	Res	Type
1	38-C	239	ASN
1	38-C	283	HIS
1	38-C	291	ASN
1	38-C	297	ASN
1	38-C	313	ASN
1	38-C	321	ASN
1	38-C	357	HIS
1	38-C	371	GLN
1	38-C	417	ASN
1	38-C	436	ASN
1	38-C	443	ASN
1	38-C	478	ASN
1	38-C	489	ASN
1	38-C	490	HIS
1	38-C	491	HIS
1	38-C	555	HIS
1	38-C	559	ASN
1	38-C	572	ASN
1	38-C	586	ASN
1	38-C	643	GLN
1	38-C	654	ASN
1	38-C	659	ASN
1	38-C	689	HIS
1	38-C	726	ASN
1	38-C	788	HIS
2	38-Y	68	ASN
2	38-Y	91	ASN
2	38-Y	115	ASN
2	38-Y	121	ASN
3	38-Z	43	ASN
3	38-Z	46	ASN
3	38-Z	56	HIS
3	38-Z	98	GLN
3	38-Z	108	HIS
3	38-Z	138	ASN
1	39-C	33	ASN
1	39-C	90	ASN
1	39-C	95	ASN
1	39-C	124	ASN
1	39-C	151	HIS
1	39-C	158	ASN
1	39-C	162	ASN

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Mol	Chain	Res	Type
1	39-C	170	GLN
1	39-C	223	ASN
1	39-C	237	ASN
1	39-C	239	ASN
1	39-C	283	HIS
1	39-C	291	ASN
1	39-C	297	ASN
1	39-C	313	ASN
1	39-C	321	ASN
1	39-C	357	HIS
1	39-C	371	GLN
1	39-C	417	ASN
1	39-C	421	ASN
1	39-C	436	ASN
1	39-C	443	ASN
1	39-C	478	ASN
1	39-C	489	ASN
1	39-C	490	HIS
1	39-C	491	HIS
1	39-C	555	HIS
1	39-C	559	ASN
1	39-C	572	ASN
1	39-C	586	ASN
1	39-C	643	GLN
1	39-C	654	ASN
1	39-C	659	ASN
1	39-C	689	HIS
1	39-C	726	ASN
1	39-C	788	HIS
1	39-C	823	ASN
2	39-Y	68	ASN
2	39-Y	91	ASN
2	39-Y	115	ASN
2	39-Y	119	ASN
2	39-Y	121	ASN
3	39-Z	43	ASN
3	39-Z	46	ASN
3	39-Z	56	HIS
3	39-Z	98	GLN
3	39-Z	108	HIS
3	39-Z	138	ASN
1	40-C	33	ASN

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Mol	Chain	Res	Type
1	40-C	90	ASN
1	40-C	95	ASN
1	40-C	124	ASN
1	40-C	151	HIS
1	40-C	158	ASN
1	40-C	162	ASN
1	40-C	170	GLN
1	40-C	223	ASN
1	40-C	237	ASN
1	40-C	239	ASN
1	40-C	283	HIS
1	40-C	291	ASN
1	40-C	297	ASN
1	40-C	313	ASN
1	40-C	321	ASN
1	40-C	357	HIS
1	40-C	371	GLN
1	40-C	417	ASN
1	40-C	421	ASN
1	40-C	436	ASN
1	40-C	443	ASN
1	40-C	478	ASN
1	40-C	489	ASN
1	40-C	490	HIS
1	40-C	491	HIS
1	40-C	555	HIS
1	40-C	559	ASN
1	40-C	572	ASN
1	40-C	586	ASN
1	40-C	643	GLN
1	40-C	654	ASN
1	40-C	659	ASN
1	40-C	689	HIS
1	40-C	726	ASN
1	40-C	788	HIS
2	40-Y	68	ASN
2	40-Y	91	ASN
2	40-Y	99	GLN
2	40-Y	115	ASN
2	40-Y	119	ASN
2	40-Y	121	ASN
3	40-Z	43	ASN

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Mol	Chain	Res	Type
3	40-Z	46	ASN
3	40-Z	56	HIS
3	40-Z	98	GLN
3	40-Z	108	HIS
3	40-Z	138	ASN
1	41-C	33	ASN
1	41-C	90	ASN
1	41-C	95	ASN
1	41-C	124	ASN
1	41-C	151	HIS
1	41-C	170	GLN
1	41-C	223	ASN
1	41-C	237	ASN
1	41-C	239	ASN
1	41-C	283	HIS
1	41-C	291	ASN
1	41-C	297	ASN
1	41-C	313	ASN
1	41-C	321	ASN
1	41-C	357	HIS
1	41-C	371	GLN
1	41-C	417	ASN
1	41-C	421	ASN
1	41-C	436	ASN
1	41-C	443	ASN
1	41-C	478	ASN
1	41-C	489	ASN
1	41-C	490	HIS
1	41-C	491	HIS
1	41-C	555	HIS
1	41-C	559	ASN
1	41-C	572	ASN
1	41-C	586	ASN
1	41-C	643	GLN
1	41-C	654	ASN
1	41-C	659	ASN
1	41-C	689	HIS
1	41-C	726	ASN
1	41-C	788	HIS
2	41-Y	68	ASN
2	41-Y	91	ASN
2	41-Y	115	ASN

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Mol	Chain	Res	Type
2	41-Y	119	ASN
2	41-Y	121	ASN
3	41-Z	43	ASN
3	41-Z	46	ASN
3	41-Z	56	HIS
3	41-Z	98	GLN
3	41-Z	108	HIS
3	41-Z	138	ASN
1	42-C	33	ASN
1	42-C	90	ASN
1	42-C	95	ASN
1	42-C	124	ASN
1	42-C	151	HIS
1	42-C	158	ASN
1	42-C	162	ASN
1	42-C	170	GLN
1	42-C	223	ASN
1	42-C	237	ASN
1	42-C	239	ASN
1	42-C	283	HIS
1	42-C	291	ASN
1	42-C	297	ASN
1	42-C	313	ASN
1	42-C	321	ASN
1	42-C	357	HIS
1	42-C	371	GLN
1	42-C	417	ASN
1	42-C	421	ASN
1	42-C	436	ASN
1	42-C	443	ASN
1	42-C	478	ASN
1	42-C	489	ASN
1	42-C	490	HIS
1	42-C	491	HIS
1	42-C	555	HIS
1	42-C	559	ASN
1	42-C	572	ASN
1	42-C	586	ASN
1	42-C	643	GLN
1	42-C	654	ASN
1	42-C	659	ASN
1	42-C	689	HIS

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Mol	Chain	Res	Type
1	42-C	726	ASN
1	42-C	788	HIS
1	42-C	823	ASN
2	42-Y	68	ASN
2	42-Y	91	ASN
2	42-Y	115	ASN
2	42-Y	119	ASN
2	42-Y	121	ASN
3	42-Z	43	ASN
3	42-Z	46	ASN
3	42-Z	56	HIS
3	42-Z	98	GLN
3	42-Z	108	HIS
3	42-Z	138	ASN
1	43-C	33	ASN
1	43-C	90	ASN
1	43-C	95	ASN
1	43-C	124	ASN
1	43-C	151	HIS
1	43-C	158	ASN
1	43-C	162	ASN
1	43-C	170	GLN
1	43-C	223	ASN
1	43-C	237	ASN
1	43-C	239	ASN
1	43-C	283	HIS
1	43-C	291	ASN
1	43-C	297	ASN
1	43-C	313	ASN
1	43-C	321	ASN
1	43-C	357	HIS
1	43-C	371	GLN
1	43-C	417	ASN
1	43-C	421	ASN
1	43-C	436	ASN
1	43-C	443	ASN
1	43-C	478	ASN
1	43-C	489	ASN
1	43-C	490	HIS
1	43-C	491	HIS
1	43-C	554	ASN
1	43-C	555	HIS

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Mol	Chain	Res	Type
1	43-C	559	ASN
1	43-C	572	ASN
1	43-C	586	ASN
1	43-C	643	GLN
1	43-C	654	ASN
1	43-C	659	ASN
1	43-C	689	HIS
1	43-C	726	ASN
1	43-C	788	HIS
1	43-C	804	GLN
1	43-C	823	ASN
2	43-Y	68	ASN
2	43-Y	91	ASN
2	43-Y	115	ASN
2	43-Y	119	ASN
2	43-Y	121	ASN
3	43-Z	43	ASN
3	43-Z	46	ASN
3	43-Z	56	HIS
3	43-Z	98	GLN
3	43-Z	108	HIS
3	43-Z	138	ASN

5.3.3 RNA

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains

There are no non-standard protein/DNA/RNA residues in this entry.

5.5 Carbohydrates

There are no oligosaccharides in this entry.

5.6 Ligand geometry

There are no ligands in this entry.

5.7 Other polymers (i)

There are no such residues in this entry.

5.8 Polymer linkage issues (i)

The following chains have linkage breaks:

Mol	Chain	Number of breaks
1	28-C	13
1	8-C	13
1	24-C	13
1	25-C	13
1	42-C	12
1	23-C	12
1	32-C	12
1	2-C	12
1	43-C	12
1	9-C	12
1	29-C	12
1	17-C	12
1	1-C	12
1	12-C	12
1	15-C	12
1	18-C	12
1	35-C	12
1	5-C	11
1	39-C	11
1	26-C	11
1	14-C	11
1	4-C	11
1	6-C	11
1	7-C	11
1	11-C	11
1	13-C	11
1	19-C	11
1	21-C	11
1	31-C	11
1	33-C	11
1	34-C	11
1	40-C	11
1	3-C	10
1	10-C	10
1	16-C	10

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Mol	Chain	Number of breaks
1	20-C	10
1	22-C	10
1	27-C	10
1	30-C	10
1	36-C	10
1	37-C	10
1	38-C	10
1	41-C	10

All chain breaks are listed below:

Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
42	C	800:LYS	C	801:LEU	N	3.10
23	C	800:LYS	C	801:LEU	N	2.77
5	C	800:LYS	C	801:LEU	N	2.74
32	C	800:LYS	C	801:LEU	N	2.62
39	C	800:LYS	C	801:LEU	N	2.52
28	C	800:LYS	C	801:LEU	N	2.50
26	C	800:LYS	C	801:LEU	N	2.46
2	C	800:LYS	C	801:LEU	N	2.44
43	C	800:LYS	C	801:LEU	N	2.44
9	C	800:LYS	C	801:LEU	N	2.42
29	C	800:LYS	C	801:LEU	N	2.28
17	C	800:LYS	C	801:LEU	N	2.25
14	C	800:LYS	C	801:LEU	N	2.23
1	C	461:ILE	C	462:ALA	N	2.12
2	C	461:ILE	C	462:ALA	N	2.12
3	C	461:ILE	C	462:ALA	N	2.12
4	C	461:ILE	C	462:ALA	N	2.12
5	C	461:ILE	C	462:ALA	N	2.12
6	C	461:ILE	C	462:ALA	N	2.12
7	C	461:ILE	C	462:ALA	N	2.12
8	C	461:ILE	C	462:ALA	N	2.12
9	C	461:ILE	C	462:ALA	N	2.12
10	C	461:ILE	C	462:ALA	N	2.12
11	C	461:ILE	C	462:ALA	N	2.12
12	C	461:ILE	C	462:ALA	N	2.12
13	C	461:ILE	C	462:ALA	N	2.12
14	C	461:ILE	C	462:ALA	N	2.12
15	C	461:ILE	C	462:ALA	N	2.12
16	C	461:ILE	C	462:ALA	N	2.12
17	C	461:ILE	C	462:ALA	N	2.12
18	C	461:ILE	C	462:ALA	N	2.12

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
19	C	461:ILE	C	462:ALA	N	2.12
20	C	461:ILE	C	462:ALA	N	2.12
21	C	461:ILE	C	462:ALA	N	2.12
22	C	461:ILE	C	462:ALA	N	2.12
23	C	461:ILE	C	462:ALA	N	2.12
24	C	461:ILE	C	462:ALA	N	2.12
25	C	461:ILE	C	462:ALA	N	2.12
26	C	461:ILE	C	462:ALA	N	2.12
27	C	461:ILE	C	462:ALA	N	2.12
28	C	461:ILE	C	462:ALA	N	2.12
29	C	461:ILE	C	462:ALA	N	2.12
30	C	461:ILE	C	462:ALA	N	2.12
31	C	461:ILE	C	462:ALA	N	2.12
32	C	461:ILE	C	462:ALA	N	2.12
33	C	461:ILE	C	462:ALA	N	2.12
34	C	461:ILE	C	462:ALA	N	2.12
35	C	461:ILE	C	462:ALA	N	2.12
36	C	461:ILE	C	462:ALA	N	2.12
37	C	461:ILE	C	462:ALA	N	2.12
38	C	461:ILE	C	462:ALA	N	2.12
39	C	461:ILE	C	462:ALA	N	2.12
40	C	461:ILE	C	462:ALA	N	2.12
41	C	461:ILE	C	462:ALA	N	2.12
42	C	461:ILE	C	462:ALA	N	2.12
43	C	461:ILE	C	462:ALA	N	2.12
25	C	800:LYS	C	801:LEU	N	2.08
13	C	800:LYS	C	801:LEU	N	2.01
24	C	705:LYS	C	706:GLY	N	2.01
6	C	800:LYS	C	801:LEU	N	1.95
1	C	709:SER	C	710:ARG	N	1.94
1	C	800:LYS	C	801:LEU	N	1.94
2	C	709:SER	C	710:ARG	N	1.94
3	C	709:SER	C	710:ARG	N	1.94
4	C	709:SER	C	710:ARG	N	1.94
5	C	709:SER	C	710:ARG	N	1.94
6	C	709:SER	C	710:ARG	N	1.94
7	C	709:SER	C	710:ARG	N	1.94
8	C	709:SER	C	710:ARG	N	1.94
9	C	709:SER	C	710:ARG	N	1.94
10	C	709:SER	C	710:ARG	N	1.94
11	C	709:SER	C	710:ARG	N	1.94
12	C	709:SER	C	710:ARG	N	1.94

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
13	C	709:SER	C	710:ARG	N	1.94
14	C	709:SER	C	710:ARG	N	1.94
15	C	709:SER	C	710:ARG	N	1.94
16	C	709:SER	C	710:ARG	N	1.94
17	C	709:SER	C	710:ARG	N	1.94
18	C	709:SER	C	710:ARG	N	1.94
19	C	709:SER	C	710:ARG	N	1.94
20	C	709:SER	C	710:ARG	N	1.94
21	C	709:SER	C	710:ARG	N	1.94
22	C	709:SER	C	710:ARG	N	1.94
23	C	709:SER	C	710:ARG	N	1.94
24	C	709:SER	C	710:ARG	N	1.94
25	C	709:SER	C	710:ARG	N	1.94
26	C	709:SER	C	710:ARG	N	1.94
27	C	709:SER	C	710:ARG	N	1.94
28	C	709:SER	C	710:ARG	N	1.94
29	C	709:SER	C	710:ARG	N	1.94
30	C	709:SER	C	710:ARG	N	1.94
31	C	709:SER	C	710:ARG	N	1.94
32	C	709:SER	C	710:ARG	N	1.94
33	C	709:SER	C	710:ARG	N	1.94
34	C	709:SER	C	710:ARG	N	1.94
36	C	709:SER	C	710:ARG	N	1.94
37	C	709:SER	C	710:ARG	N	1.94
38	C	709:SER	C	710:ARG	N	1.94
39	C	709:SER	C	710:ARG	N	1.94
40	C	709:SER	C	710:ARG	N	1.94
41	C	709:SER	C	710:ARG	N	1.94
42	C	709:SER	C	710:ARG	N	1.94
43	C	709:SER	C	710:ARG	N	1.94
35	C	709:SER	C	710:ARG	N	1.93
1	C	462:ALA	C	463:GLY	N	1.92
2	C	462:ALA	C	463:GLY	N	1.92
3	C	462:ALA	C	463:GLY	N	1.92
4	C	462:ALA	C	463:GLY	N	1.92
5	C	462:ALA	C	463:GLY	N	1.92
6	C	462:ALA	C	463:GLY	N	1.92
7	C	462:ALA	C	463:GLY	N	1.92
8	C	462:ALA	C	463:GLY	N	1.92
9	C	462:ALA	C	463:GLY	N	1.92
10	C	462:ALA	C	463:GLY	N	1.92
11	C	462:ALA	C	463:GLY	N	1.92

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
12	C	462:ALA	C	463:GLY	N	1.92
13	C	462:ALA	C	463:GLY	N	1.92
14	C	462:ALA	C	463:GLY	N	1.92
15	C	462:ALA	C	463:GLY	N	1.92
16	C	462:ALA	C	463:GLY	N	1.92
17	C	462:ALA	C	463:GLY	N	1.92
18	C	462:ALA	C	463:GLY	N	1.92
19	C	462:ALA	C	463:GLY	N	1.92
20	C	462:ALA	C	463:GLY	N	1.92
21	C	462:ALA	C	463:GLY	N	1.92
22	C	462:ALA	C	463:GLY	N	1.92
23	C	462:ALA	C	463:GLY	N	1.92
24	C	462:ALA	C	463:GLY	N	1.92
25	C	462:ALA	C	463:GLY	N	1.92
26	C	462:ALA	C	463:GLY	N	1.92
27	C	462:ALA	C	463:GLY	N	1.92
28	C	462:ALA	C	463:GLY	N	1.92
29	C	462:ALA	C	463:GLY	N	1.92
30	C	462:ALA	C	463:GLY	N	1.92
31	C	462:ALA	C	463:GLY	N	1.92
32	C	462:ALA	C	463:GLY	N	1.92
33	C	462:ALA	C	463:GLY	N	1.92
34	C	462:ALA	C	463:GLY	N	1.92
35	C	462:ALA	C	463:GLY	N	1.92
36	C	462:ALA	C	463:GLY	N	1.92
37	C	462:ALA	C	463:GLY	N	1.92
38	C	462:ALA	C	463:GLY	N	1.92
39	C	462:ALA	C	463:GLY	N	1.92
40	C	462:ALA	C	463:GLY	N	1.92
41	C	462:ALA	C	463:GLY	N	1.92
42	C	462:ALA	C	463:GLY	N	1.92
43	C	462:ALA	C	463:GLY	N	1.92
21	C	800:LYS	C	801:LEU	N	1.91
25	C	705:LYS	C	706:GLY	N	1.88
4	C	800:LYS	C	801:LEU	N	1.86
35	C	800:LYS	C	801:LEU	N	1.86
15	C	800:LYS	C	801:LEU	N	1.85
24	C	774:ARG	C	775:ASP	N	1.85
32	C	705:LYS	C	706:GLY	N	1.83
40	C	800:LYS	C	801:LEU	N	1.83
12	C	800:LYS	C	801:LEU	N	1.81
2	C	705:LYS	C	706:GLY	N	1.79

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
24	C	800:LYS	C	801:LEU	N	1.75
23	C	705:LYS	C	706:GLY	N	1.72
8	C	800:LYS	C	801:LEU	N	1.71
42	C	705:LYS	C	706:GLY	N	1.71
1	C	445:THR	C	446:LEU	N	1.68
2	C	445:THR	C	446:LEU	N	1.68
3	C	445:THR	C	446:LEU	N	1.68
4	C	445:THR	C	446:LEU	N	1.68
5	C	445:THR	C	446:LEU	N	1.68
6	C	445:THR	C	446:LEU	N	1.68
7	C	445:THR	C	446:LEU	N	1.68
8	C	445:THR	C	446:LEU	N	1.68
9	C	445:THR	C	446:LEU	N	1.68
10	C	445:THR	C	446:LEU	N	1.68
11	C	445:THR	C	446:LEU	N	1.68
12	C	445:THR	C	446:LEU	N	1.68
13	C	445:THR	C	446:LEU	N	1.68
14	C	445:THR	C	446:LEU	N	1.68
15	C	445:THR	C	446:LEU	N	1.68
16	C	445:THR	C	446:LEU	N	1.68
17	C	445:THR	C	446:LEU	N	1.68
18	C	445:THR	C	446:LEU	N	1.68
19	C	445:THR	C	446:LEU	N	1.68
20	C	445:THR	C	446:LEU	N	1.68
21	C	445:THR	C	446:LEU	N	1.68
22	C	445:THR	C	446:LEU	N	1.68
23	C	445:THR	C	446:LEU	N	1.68
24	C	445:THR	C	446:LEU	N	1.68
25	C	445:THR	C	446:LEU	N	1.68
26	C	445:THR	C	446:LEU	N	1.68
27	C	445:THR	C	446:LEU	N	1.68
28	C	445:THR	C	446:LEU	N	1.68
29	C	445:THR	C	446:LEU	N	1.68
30	C	445:THR	C	446:LEU	N	1.68
31	C	445:THR	C	446:LEU	N	1.68
32	C	445:THR	C	446:LEU	N	1.68
33	C	445:THR	C	446:LEU	N	1.68
34	C	445:THR	C	446:LEU	N	1.68
35	C	445:THR	C	446:LEU	N	1.68
36	C	445:THR	C	446:LEU	N	1.68
37	C	445:THR	C	446:LEU	N	1.68
38	C	445:THR	C	446:LEU	N	1.68

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
39	C	445:THR	C	446:LEU	N	1.68
40	C	445:THR	C	446:LEU	N	1.68
41	C	445:THR	C	446:LEU	N	1.68
42	C	445:THR	C	446:LEU	N	1.68
43	C	445:THR	C	446:LEU	N	1.68
18	C	800:LYS	C	801:LEU	N	1.67
17	C	705:LYS	C	706:GLY	N	1.66
11	C	800:LYS	C	801:LEU	N	1.64
8	C	774:ARG	C	775:ASP	N	1.63
33	C	800:LYS	C	801:LEU	N	1.63
1	C	432:ASP	C	433:ARG	N	1.61
2	C	432:ASP	C	433:ARG	N	1.61
3	C	432:ASP	C	433:ARG	N	1.61
4	C	432:ASP	C	433:ARG	N	1.61
5	C	432:ASP	C	433:ARG	N	1.61
6	C	432:ASP	C	433:ARG	N	1.61
7	C	432:ASP	C	433:ARG	N	1.61
8	C	432:ASP	C	433:ARG	N	1.61
9	C	432:ASP	C	433:ARG	N	1.61
10	C	432:ASP	C	433:ARG	N	1.61
11	C	432:ASP	C	433:ARG	N	1.61
12	C	432:ASP	C	433:ARG	N	1.61
12	C	774:ARG	C	775:ASP	N	1.61
14	C	432:ASP	C	433:ARG	N	1.61
15	C	432:ASP	C	433:ARG	N	1.61
16	C	432:ASP	C	433:ARG	N	1.61
17	C	432:ASP	C	433:ARG	N	1.61
18	C	432:ASP	C	433:ARG	N	1.61
19	C	432:ASP	C	433:ARG	N	1.61
19	C	800:LYS	C	801:LEU	N	1.61
20	C	432:ASP	C	433:ARG	N	1.61
21	C	432:ASP	C	433:ARG	N	1.61
22	C	432:ASP	C	433:ARG	N	1.61
23	C	432:ASP	C	433:ARG	N	1.61
24	C	432:ASP	C	433:ARG	N	1.61
25	C	432:ASP	C	433:ARG	N	1.61
26	C	432:ASP	C	433:ARG	N	1.61
27	C	432:ASP	C	433:ARG	N	1.61
28	C	432:ASP	C	433:ARG	N	1.61
29	C	432:ASP	C	433:ARG	N	1.61
30	C	432:ASP	C	433:ARG	N	1.61
31	C	432:ASP	C	433:ARG	N	1.61

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
32	C	432:ASP	C	433:ARG	N	1.61
33	C	432:ASP	C	433:ARG	N	1.61
34	C	432:ASP	C	433:ARG	N	1.61
35	C	432:ASP	C	433:ARG	N	1.61
36	C	432:ASP	C	433:ARG	N	1.61
37	C	432:ASP	C	433:ARG	N	1.61
38	C	432:ASP	C	433:ARG	N	1.61
39	C	432:ASP	C	433:ARG	N	1.61
40	C	432:ASP	C	433:ARG	N	1.61
41	C	432:ASP	C	433:ARG	N	1.61
42	C	432:ASP	C	433:ARG	N	1.61
43	C	432:ASP	C	433:ARG	N	1.61
13	C	432:ASP	C	433:ARG	N	1.60
9	C	705:LYS	C	706:GLY	N	1.20
1	C	76:SER	C	77:MET	N	1.19
2	C	76:SER	C	77:MET	N	1.19
3	C	76:SER	C	77:MET	N	1.19
4	C	76:SER	C	77:MET	N	1.19
5	C	76:SER	C	77:MET	N	1.19
6	C	76:SER	C	77:MET	N	1.19
7	C	76:SER	C	77:MET	N	1.19
8	C	76:SER	C	77:MET	N	1.19
8	C	705:LYS	C	706:GLY	N	1.19
9	C	76:SER	C	77:MET	N	1.19
10	C	76:SER	C	77:MET	N	1.19
11	C	76:SER	C	77:MET	N	1.19
12	C	76:SER	C	77:MET	N	1.19
13	C	76:SER	C	77:MET	N	1.19
14	C	76:SER	C	77:MET	N	1.19
15	C	76:SER	C	77:MET	N	1.19
15	C	705:LYS	C	706:GLY	N	1.19
16	C	76:SER	C	77:MET	N	1.19
17	C	76:SER	C	77:MET	N	1.19
18	C	76:SER	C	77:MET	N	1.19
19	C	76:SER	C	77:MET	N	1.19
20	C	76:SER	C	77:MET	N	1.19
21	C	76:SER	C	77:MET	N	1.19
22	C	76:SER	C	77:MET	N	1.19
23	C	76:SER	C	77:MET	N	1.19
24	C	76:SER	C	77:MET	N	1.19
25	C	76:SER	C	77:MET	N	1.19
26	C	76:SER	C	77:MET	N	1.19

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
27	C	76:SER	C	77:MET	N	1.19
28	C	76:SER	C	77:MET	N	1.19
29	C	76:SER	C	77:MET	N	1.19
30	C	76:SER	C	77:MET	N	1.19
31	C	76:SER	C	77:MET	N	1.19
32	C	76:SER	C	77:MET	N	1.19
33	C	76:SER	C	77:MET	N	1.19
34	C	76:SER	C	77:MET	N	1.19
35	C	76:SER	C	77:MET	N	1.19
36	C	76:SER	C	77:MET	N	1.19
37	C	76:SER	C	77:MET	N	1.19
38	C	76:SER	C	77:MET	N	1.19
39	C	76:SER	C	77:MET	N	1.19
40	C	76:SER	C	77:MET	N	1.19
41	C	76:SER	C	77:MET	N	1.19
42	C	76:SER	C	77:MET	N	1.19
43	C	76:SER	C	77:MET	N	1.19
43	C	774:ARG	C	775:ASP	N	1.19
1	C	235:THR	C	236:ARG	N	1.17
1	C	705:LYS	C	706:GLY	N	1.17
2	C	235:THR	C	236:ARG	N	1.17
3	C	235:THR	C	236:ARG	N	1.17
4	C	235:THR	C	236:ARG	N	1.17
5	C	235:THR	C	236:ARG	N	1.17
6	C	235:THR	C	236:ARG	N	1.17
7	C	235:THR	C	236:ARG	N	1.17
8	C	235:THR	C	236:ARG	N	1.17
9	C	235:THR	C	236:ARG	N	1.17
10	C	235:THR	C	236:ARG	N	1.17
11	C	235:THR	C	236:ARG	N	1.17
12	C	235:THR	C	236:ARG	N	1.17
13	C	235:THR	C	236:ARG	N	1.17
14	C	235:THR	C	236:ARG	N	1.17
15	C	235:THR	C	236:ARG	N	1.17
16	C	235:THR	C	236:ARG	N	1.17
17	C	235:THR	C	236:ARG	N	1.17
18	C	235:THR	C	236:ARG	N	1.17
18	C	705:LYS	C	706:GLY	N	1.17
19	C	235:THR	C	236:ARG	N	1.17
20	C	235:THR	C	236:ARG	N	1.17
21	C	235:THR	C	236:ARG	N	1.17
22	C	235:THR	C	236:ARG	N	1.17

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
23	C	235:THR	C	236:ARG	N	1.17
24	C	235:THR	C	236:ARG	N	1.17
25	C	235:THR	C	236:ARG	N	1.17
26	C	235:THR	C	236:ARG	N	1.17
27	C	235:THR	C	236:ARG	N	1.17
28	C	235:THR	C	236:ARG	N	1.17
29	C	235:THR	C	236:ARG	N	1.17
30	C	235:THR	C	236:ARG	N	1.17
31	C	235:THR	C	236:ARG	N	1.17
32	C	235:THR	C	236:ARG	N	1.17
33	C	235:THR	C	236:ARG	N	1.17
34	C	235:THR	C	236:ARG	N	1.17
35	C	235:THR	C	236:ARG	N	1.17
36	C	235:THR	C	236:ARG	N	1.17
37	C	235:THR	C	236:ARG	N	1.17
38	C	235:THR	C	236:ARG	N	1.17
39	C	235:THR	C	236:ARG	N	1.17
40	C	235:THR	C	236:ARG	N	1.17
41	C	235:THR	C	236:ARG	N	1.17
42	C	235:THR	C	236:ARG	N	1.17
43	C	235:THR	C	236:ARG	N	1.17
34	C	705:LYS	C	706:GLY	N	1.16
25	C	774:ARG	C	775:ASP	N	1.12
35	C	705:LYS	C	706:GLY	N	1.12
7	C	800:LYS	C	801:LEU	N	1.11
1	C	802:GLN	C	803:ASP	N	1.10
2	C	802:GLN	C	803:ASP	N	1.10
3	C	802:GLN	C	803:ASP	N	1.10
4	C	802:GLN	C	803:ASP	N	1.10
5	C	802:GLN	C	803:ASP	N	1.10
6	C	802:GLN	C	803:ASP	N	1.10
7	C	802:GLN	C	803:ASP	N	1.10
8	C	802:GLN	C	803:ASP	N	1.10
9	C	802:GLN	C	803:ASP	N	1.10
10	C	802:GLN	C	803:ASP	N	1.10
11	C	802:GLN	C	803:ASP	N	1.10
12	C	802:GLN	C	803:ASP	N	1.10
13	C	802:GLN	C	803:ASP	N	1.10
14	C	802:GLN	C	803:ASP	N	1.10
15	C	802:GLN	C	803:ASP	N	1.10
16	C	802:GLN	C	803:ASP	N	1.10
17	C	802:GLN	C	803:ASP	N	1.10

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
18	C	802:GLN	C	803:ASP	N	1.10
19	C	802:GLN	C	803:ASP	N	1.10
20	C	802:GLN	C	803:ASP	N	1.10
21	C	802:GLN	C	803:ASP	N	1.10
22	C	802:GLN	C	803:ASP	N	1.10
23	C	802:GLN	C	803:ASP	N	1.10
24	C	802:GLN	C	803:ASP	N	1.10
25	C	802:GLN	C	803:ASP	N	1.10
26	C	802:GLN	C	803:ASP	N	1.10
27	C	802:GLN	C	803:ASP	N	1.10
28	C	802:GLN	C	803:ASP	N	1.10
29	C	802:GLN	C	803:ASP	N	1.10
30	C	802:GLN	C	803:ASP	N	1.10
31	C	802:GLN	C	803:ASP	N	1.10
32	C	802:GLN	C	803:ASP	N	1.10
33	C	802:GLN	C	803:ASP	N	1.10
34	C	802:GLN	C	803:ASP	N	1.10
35	C	802:GLN	C	803:ASP	N	1.10
36	C	802:GLN	C	803:ASP	N	1.10
37	C	802:GLN	C	803:ASP	N	1.10
38	C	802:GLN	C	803:ASP	N	1.10
39	C	802:GLN	C	803:ASP	N	1.10
40	C	802:GLN	C	803:ASP	N	1.10
41	C	802:GLN	C	803:ASP	N	1.10
42	C	802:GLN	C	803:ASP	N	1.10
43	C	802:GLN	C	803:ASP	N	1.10
1	C	233:LYS	C	234:THR	N	1.09
2	C	233:LYS	C	234:THR	N	1.09
3	C	233:LYS	C	234:THR	N	1.09
4	C	233:LYS	C	234:THR	N	1.09
5	C	233:LYS	C	234:THR	N	1.09
6	C	233:LYS	C	234:THR	N	1.09
7	C	233:LYS	C	234:THR	N	1.09
8	C	233:LYS	C	234:THR	N	1.09
9	C	233:LYS	C	234:THR	N	1.09
10	C	233:LYS	C	234:THR	N	1.09
11	C	233:LYS	C	234:THR	N	1.09
12	C	233:LYS	C	234:THR	N	1.09
13	C	233:LYS	C	234:THR	N	1.09
14	C	233:LYS	C	234:THR	N	1.09
15	C	233:LYS	C	234:THR	N	1.09
16	C	233:LYS	C	234:THR	N	1.09

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
17	C	233:LYS	C	234:THR	N	1.09
18	C	233:LYS	C	234:THR	N	1.09
19	C	233:LYS	C	234:THR	N	1.09
20	C	233:LYS	C	234:THR	N	1.09
21	C	233:LYS	C	234:THR	N	1.09
22	C	233:LYS	C	234:THR	N	1.09
23	C	233:LYS	C	234:THR	N	1.09
24	C	233:LYS	C	234:THR	N	1.09
25	C	233:LYS	C	234:THR	N	1.09
26	C	233:LYS	C	234:THR	N	1.09
27	C	233:LYS	C	234:THR	N	1.09
28	C	233:LYS	C	234:THR	N	1.09
28	C	705:LYS	C	706:GLY	N	1.09
29	C	233:LYS	C	234:THR	N	1.09
30	C	233:LYS	C	234:THR	N	1.09
31	C	233:LYS	C	234:THR	N	1.09
32	C	233:LYS	C	234:THR	N	1.09
33	C	233:LYS	C	234:THR	N	1.09
34	C	233:LYS	C	234:THR	N	1.09
35	C	233:LYS	C	234:THR	N	1.09
36	C	233:LYS	C	234:THR	N	1.09
37	C	233:LYS	C	234:THR	N	1.09
38	C	233:LYS	C	234:THR	N	1.09
39	C	233:LYS	C	234:THR	N	1.09
40	C	233:LYS	C	234:THR	N	1.09
41	C	233:LYS	C	234:THR	N	1.09
42	C	233:LYS	C	234:THR	N	1.09
43	C	233:LYS	C	234:THR	N	1.09
28	C	774:ARG	C	775:ASP	N	1.08
29	C	705:LYS	C	706:GLY	N	1.03
1	C	482:GLU	C	483:ARG	N	0.95
4	C	482:GLU	C	483:ARG	N	0.95
5	C	482:GLU	C	483:ARG	N	0.95
6	C	482:GLU	C	483:ARG	N	0.95
7	C	482:GLU	C	483:ARG	N	0.95
8	C	482:GLU	C	483:ARG	N	0.95
9	C	482:GLU	C	483:ARG	N	0.95
10	C	482:GLU	C	483:ARG	N	0.95
11	C	482:GLU	C	483:ARG	N	0.95
14	C	482:GLU	C	483:ARG	N	0.95
15	C	482:GLU	C	483:ARG	N	0.95
16	C	482:GLU	C	483:ARG	N	0.95

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Model	Chain	Residue-1	Atom-1	Residue-2	Atom-2	Distance (Å)
17	C	482:GLU	C	483:ARG	N	0.95
18	C	482:GLU	C	483:ARG	N	0.95
19	C	482:GLU	C	483:ARG	N	0.95
20	C	482:GLU	C	483:ARG	N	0.95
21	C	482:GLU	C	483:ARG	N	0.95
2	C	482:GLU	C	483:ARG	N	0.94
3	C	482:GLU	C	483:ARG	N	0.94
12	C	482:GLU	C	483:ARG	N	0.94
13	C	482:GLU	C	483:ARG	N	0.94
22	C	482:GLU	C	483:ARG	N	0.94
23	C	482:GLU	C	483:ARG	N	0.94
24	C	482:GLU	C	483:ARG	N	0.94
25	C	482:GLU	C	483:ARG	N	0.94
26	C	482:GLU	C	483:ARG	N	0.94
27	C	482:GLU	C	483:ARG	N	0.94
28	C	482:GLU	C	483:ARG	N	0.94
29	C	482:GLU	C	483:ARG	N	0.94
30	C	482:GLU	C	483:ARG	N	0.94
31	C	482:GLU	C	483:ARG	N	0.94
32	C	482:GLU	C	483:ARG	N	0.94
33	C	482:GLU	C	483:ARG	N	0.94
34	C	482:GLU	C	483:ARG	N	0.94
35	C	482:GLU	C	483:ARG	N	0.94
36	C	482:GLU	C	483:ARG	N	0.94
37	C	482:GLU	C	483:ARG	N	0.94
38	C	482:GLU	C	483:ARG	N	0.94
39	C	482:GLU	C	483:ARG	N	0.94
40	C	482:GLU	C	483:ARG	N	0.94
41	C	482:GLU	C	483:ARG	N	0.94
42	C	482:GLU	C	483:ARG	N	0.94
43	C	482:GLU	C	483:ARG	N	0.94
31	C	774:ARG	C	775:ASP	N	0.66

6 Map visualisation

This section contains visualisations of the EMDB entry EMD-1561. These allow visual inspection of the internal detail of the map and identification of artifacts.

No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

6.1 Orthogonal projections

This section was not generated.

6.2 Central slices

This section was not generated.

6.3 Largest variance slices

This section was not generated.

6.4 Orthogonal standard-deviation projections (False-color)

This section was not generated.

6.5 Orthogonal surface views

This section was not generated.

6.6 Mask visualisation

This section was not generated. No masks/segmentation were deposited.

7 Map analysis

This section contains the results of statistical analysis of the map.

7.1 Map-value distribution

This section was not generated.

7.2 Volume estimate versus contour level

This section was not generated.

7.3 Rotationally averaged power spectrum

This section was not generated. The rotationally averaged power spectrum had issues being displayed.

8 Fourier-Shell correlation

This section was not generated. No FSC curve or half-maps provided.

9 Map-model fit

This section was not generated.